

Converting Colors

$Yxy(84.0265, 0.3144, 0.3293)$

Have a look what the booklet for
Yxy(84.0265, 0.3144, 0.3293)
contains.

Yxy(84.1662, 0.3147, 0.3300)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Yxy(84.1662, 0.3147, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	EEEECEB
RGB	238, 236, 235
RGB Percent	93%, 93%, 92%
CMY	0.0665, 0.0745, 0.0784
CMYK	0.00, 0.01, 0.01, 0.07
HSL	19°, 8%, 93%
HSV	19°, 1%, 93%
XYZ	80.2639, 84.1662, 90.6189
YIQ	236.4840, 1.5130, 0.1130

Conversions

Conversions Part 2

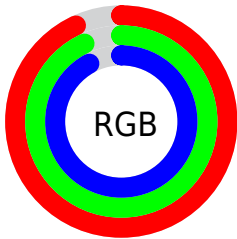
Format	Color
R _Y B	238, 237, 235
Decimal	15658219
CIE Lab	93.52, 0.52, 0.71
CIE LCh	94, 0.879, 53.427
Yxy	84.1662, 0.3147, 0.3300
Android (android.graphics.Color)	4293848299 (0xFFEEEECEB)
YUV	236.4840, -0.7316, 1.3295
Hunter-Lab	91.7421, -4.3815, 5.6554

Details

The Yxy color **84.1662, 0.3147, 0.3300** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.4491, 0.3108, 0.3280**, and the grayscale version is **84.2834, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.8423, 0.3152, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **74.0112, 0.3318, 0.3382**, and if you desaturate by 10%, it is **95.1035, 0.3024, 0.3261**.

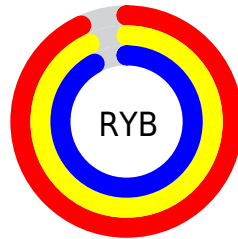
Distribution



Red (93%)

Green (93%)

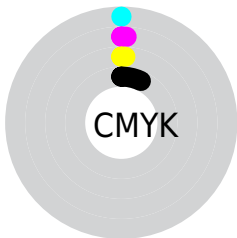
Blue (92%)



Red (93%)

Yellow (93%)

Blue (92%)

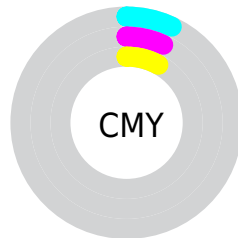


Cyan (0%)

Magenta (1%)

Yellow (1%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.1662, 0.3147, 0.3300 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 84.1662, 0.3147, 0.3300 by changing the saturation by 10% instead.

84.1662, 0.3147,
0.3300

84.1662, 0.3147,
0.3300

508.8650, 0.3138,
0.3296

63.1527, 0.3149,
0.3301

139.2076, 0.3144,
0.3298

45.9647, 0.3151,
0.3302

174.0043, 0.3143,
0.3298

32.2180, 0.3154,
0.3304

214.1642, 0.3142,
0.3297

21.5281, 0.3158,
0.3306

260.0716, 0.3141,
0.3297

13.5105, 0.3164,
0.3308

312.1110, 0.3140,
0.3297

7.7810, 0.3171,
0.3312

370.6668, 0.3139,

3.9552, 0.3182,

0.3296

0.3317

436.1233, 0.3139,
0.3296

■ 1.6485, 0.3201,
0.3326

■ 0.3900, 0.3338,
0.3395

■ 84.1662, 0.3147,
0.3300

■ 84.1662, 0.3147,
0.3300

■ 74.0112, 0.3318,
0.3382

■ 95.1035, 0.3024,
0.3261

■ 64.8463, 0.3521,
0.3469

■ 96.9259, 0.3024,
0.3290

■ 56.6446, 0.3759,
0.3558

■ 49.3735, 0.4036,
0.3647

■ 42.9989, 0.4351,
0.3727

■ 37.4840, 0.4699,
0.3790

■ 32.7898, 0.5062,
0.3822

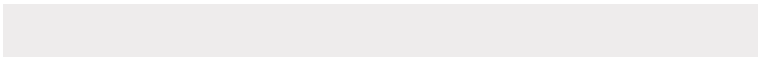
■ 28.8734, 0.5414,
0.3813

■ 25.6872, 0.5720,
0.3755

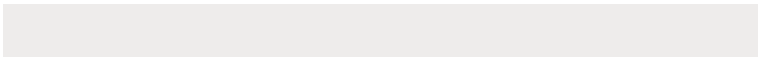
Harmonies

Analogous

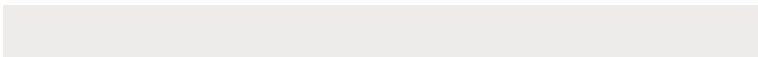
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.1662, 0.3145, 0.3291



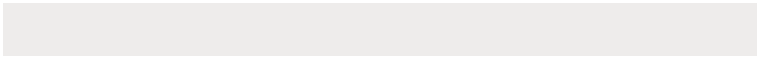
84.1662, 0.3147, 0.3300



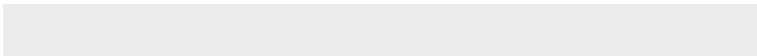
84.1662, 0.3144, 0.3306

Triad

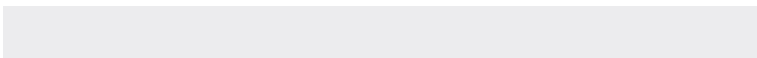
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.1662, 0.3147, 0.3300



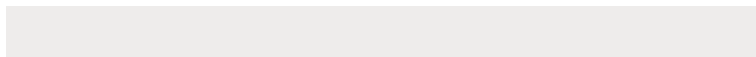
84.1662, 0.3117, 0.3298



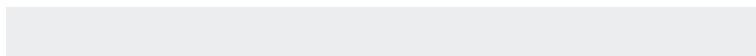
84.1662, 0.3118, 0.3273

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



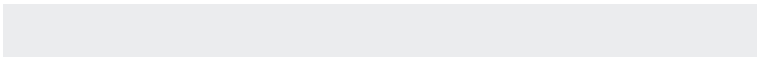
84.1662, 0.3147, 0.3300



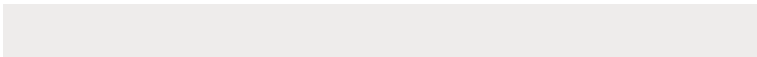
84.4491, 0.3108, 0.3280

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.1662, 0.3110, 0.3275



84.1662, 0.3147, 0.3300



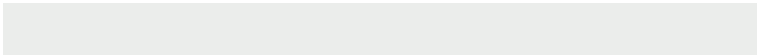
84.1662, 0.3110, 0.3289

Square

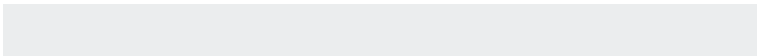
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



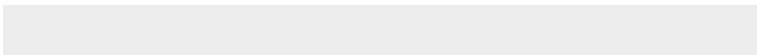
84.1662, 0.3147, 0.3300



84.1662, 0.3127, 0.3305



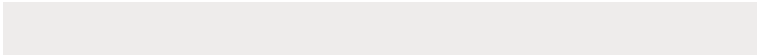
84.1662, 0.3108, 0.3280



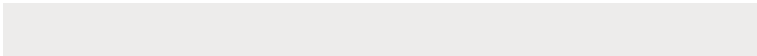
84.1662, 0.3128, 0.3276

Rectangle

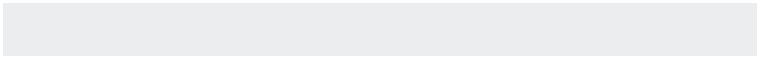
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



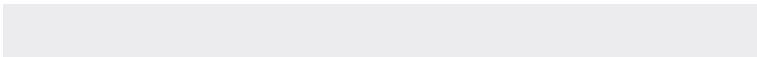
84.1662, 0.3147, 0.3300



84.1662, 0.3140, 0.3308



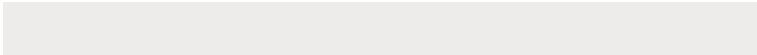
84.1662, 0.3108, 0.3280



84.1662, 0.3115, 0.3273

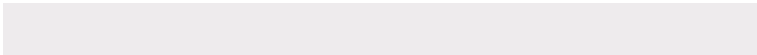
Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



84.1698, 0.3147, 0.3300

100.0000, 0.3127, 0.3290



83.7279, 0.3135, 0.3269



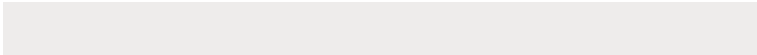
21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

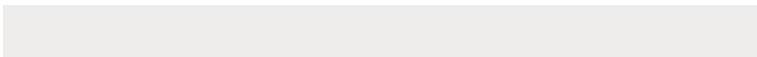
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.1698, 0.3147, 0.3300



97.4905, 0.3159, 0.3306



85.0390, 0.3146, 0.3315



18.2875, 0.3157, 0.3305



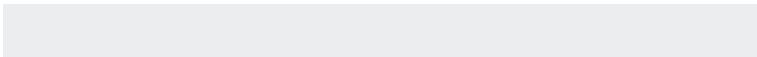
13.2873, 0.5905, 0.3693



1.2789, 0.5649, 0.3897

Inverse Universe

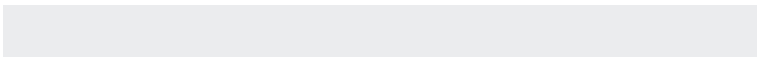
The Inverse Universe completely reimagines the original color for something new.



84.4491, 0.3108, 0.3280



98.0012, 0.3096, 0.3274



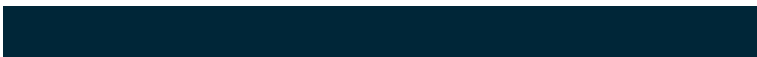
83.5820, 0.3108, 0.3265



18.3779, 0.3098, 0.3275



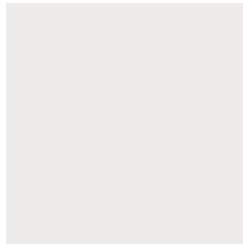
17.9653, 0.1945, 0.2202



1.6739, 0.1990, 0.2362

Previews

White Background



This preview shows how the Yxy color 84.1662, 0.3147, 0.3300 looks on a white background.

Color Contrast Check

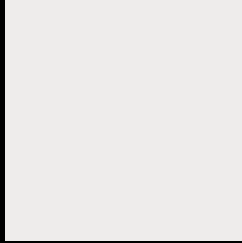
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 84.1662, 0.3147, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

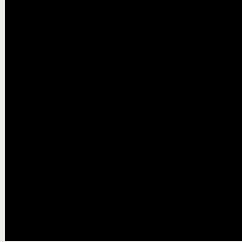
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

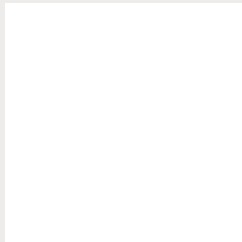
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.1662, 0.3147, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 84.1662, 0.3147, 0.3300.

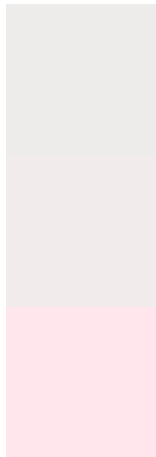


This preview shows how white text looks on a background with the Yxy color 84.1662, 0.3147, 0.3300.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

84.1662, 0.3147, 0.3300

Protanopia

84.1156, 0.3167, 0.3290

Deuteranopia

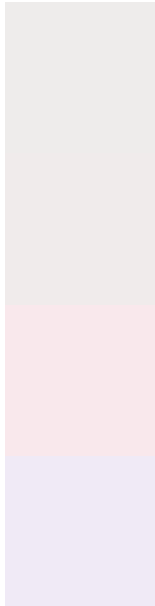
83.9098, 0.3261, 0.3231



Tritanopia

84.0069, 0.3063, 0.3101

Trichromacy



Original Color

84.1662, 0.3147, 0.3300

Protanomaly

83.9401, 0.3161, 0.3290

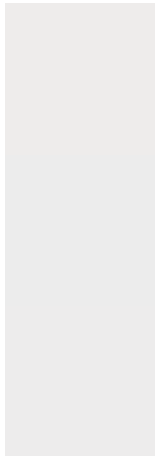
Deuteranomaly

83.9091, 0.3218, 0.3250

Tritanomaly

84.0247, 0.3093, 0.3170

Monochromacy



Original Color

84.1662, 0.3147, 0.3300

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.0516, 0.3134, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.1662, 0.3147, 0.3300 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(238, 236, 235)` looks like.

```
.text, #text, p{  
    color:rgb(238, 236, 235)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(238, 236, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 236, 235) }
```

Border

The CSS property to change the border of an element to Yxy 84.1662, 0.3147, 0.3300 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(238, 236, 235) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(238, 236, 235) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(238, 236, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 236, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 236, 235);  
box-shadow:4px 4px 4px 4px rgb(238, 236,  
235) }
```

Background

The CSS property to change the background color of an element to Yxy 84.1662, 0.3147, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 236, 235) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(238,  
236, 235) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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