

Converting Colors

$Yxy(84.1651, 0.3212, 0.3473)$

Have a look what the booklet for
Yxy(84.1651, 0.3212, 0.3473)
contains.

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Color

Yxy(84.0317, 0.3213, 0.3466)

Conversions

Conversions Part 1

Format	Color
Hex	EBEEDD
RGB	235, 238, 221
RGB Percent	92%, 93%, 87%
CMY	0.0782, 0.0667, 0.1334
CMYK	0.01, 0.00, 0.07, 0.07
HSL	70°, 33%, 90%
HSV	70°, 7%, 93%
XYZ	77.8978, 84.0317, 80.5162
YIQ	235.1650, 3.6690, -5.9230

Conversions

Conversions Part 2

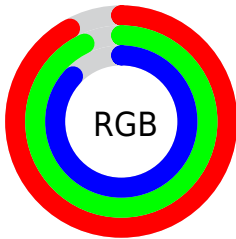
Format	Color
RYB	221, 238, 224
Decimal	15462109
CIELab	93.46, -3.92, 7.87
CIElCh	93, 8.793, 116.439
Yxy	84.0317, 0.3213, 0.3466
Android (android.graphics.Color)	4293652189 (0xFFEBEEDD)
YUV	235.1650, -6.9833, -0.1447
Hunter-Lab	91.6688, -8.7356, 12.0915

Details

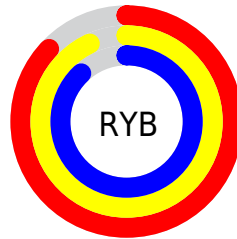
The Yxy color **84.0317, 0.3213, 0.3466** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **73.7204, 0.3038, 0.3110**, and the grayscale version is **83.2691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.7928, 0.3229, 0.3504** is the 20% darker color. If you saturate the color by 10%, you get **82.1619, 0.3335, 0.3723**, and if you desaturate by 10%, it is **86.1048, 0.3093, 0.3222**.

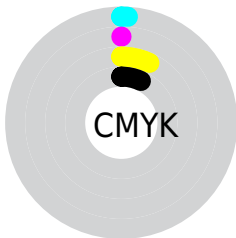
Distribution



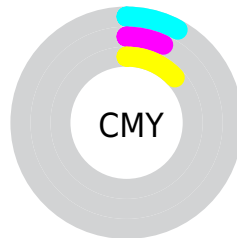
- Red (92%)
- Green (93%)
- Blue (87%)



- Red (87%)
- Yellow (93%)
- Blue (88%)



- Cyan (1%)
- Magenta (0%)
- Yellow (7%)
- Black (7%)



- Cyan (8%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.0317, 0.3213, 0.3466 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 84.0317, 0.3213, 0.3466 by changing the saturation by 10% instead.

84.0317, 0.3213,
0.3466

84.0317, 0.3213,
0.3466

508.4185, 0.3175,
0.3386

63.0416, 0.3221,
0.3484

139.0195, 0.3200,
0.3439

45.8749, 0.3232,
0.3506

173.7860, 0.3195,
0.3428

32.1471, 0.3245,
0.3534

213.9135, 0.3190,
0.3418

21.4739, 0.3261,
0.3569

259.7863, 0.3186,
0.3410

13.4708, 0.3283,
0.3618

311.7888, 0.3183,
0.3403

7.7536, 0.3314,
0.3686

370.3054, 0.3180,

3.9377, 0.3358,

0.3397

0.3789

435.7205, 0.3177,
0.3391

■ 1.6388, 0.3431,
0.3965

■ 0.3835, 0.4122,
0.5878

■ 84.0317, 0.3213,
0.3466

■ 84.0317, 0.3213,
0.3466

■ 82.1619, 0.3335,
0.3723

■ 86.1048, 0.3093,
0.3222

■ 80.4769, 0.3457,
0.3987

■ 87.4708, 0.3059,
0.3123

■ 78.9722, 0.3573,
0.4251

■ 88.2133, 0.3085,
0.3124

■ 77.6390, 0.3679,
0.4504

■ 88.9724, 0.3112,
0.3125

■ 76.4676, 0.3769,
0.4737

■ 89.6245, 0.3135,
0.3127

■ 75.4474, 0.3837,
0.4938

■ 74.5663, 0.3881,
0.5098

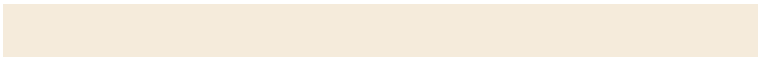
■ 73.8103, 0.3898,
0.5212

■ 73.1609, 0.3890,
0.5281

Harmonies

Analogous

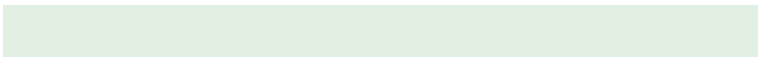
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.0317, 0.3292, 0.3451



84.0317, 0.3213, 0.3466



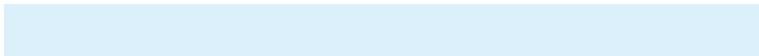
84.0317, 0.3112, 0.3432

Triad

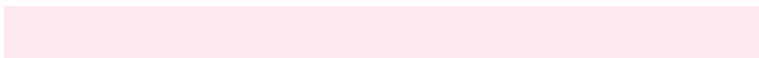
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.0317, 0.3213, 0.3466



84.0317, 0.2932, 0.3183



84.0317, 0.3237, 0.3223

Complementary

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



84.0317, 0.3213, 0.3466



73.7204, 0.3038, 0.3110

Split Complementary

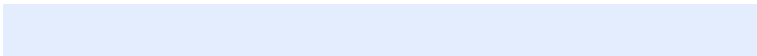
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.0317, 0.3140, 0.3154



84.0317, 0.3213, 0.3466



84.0317, 0.2964, 0.3130

Square

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



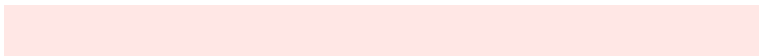
84.0317, 0.3213, 0.3466



84.0317, 0.2952, 0.3266



84.0317, 0.3040, 0.3120



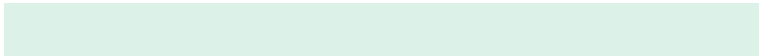
84.0317, 0.3306, 0.3310

Rectangle

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



84.0317, 0.3213, 0.3466



84.0317, 0.3047, 0.3386



84.0317, 0.3040, 0.3120



84.0317, 0.3207, 0.3197

Sweetspot

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



84.0353, 0.3213, 0.3466



99.5088, 0.3151, 0.3339



76.6150, 0.3246, 0.3320



21.3041, 0.3150, 0.3336



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



84.0353, 0.3213, 0.3466



97.8633, 0.3236, 0.3514



82.6405, 0.3156, 0.3469



18.3126, 0.3241, 0.3525



40.7726, 0.3891, 0.5293



3.4279, 0.3933, 0.5259

Inverse Universe

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



73.7204, 0.3038, 0.3110



82.7982, 0.3012, 0.3060



75.0936, 0.3096, 0.3113



15.3602, 0.3006, 0.3048



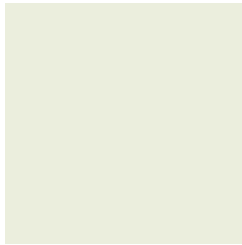
3.7476, 0.1578, 0.0643



0.3492, 0.1688, 0.0703

Previews

White Background



This preview shows how the Yxy color 84.0317, 0.3213, 0.3466 looks on a white background.

Color Contrast Check

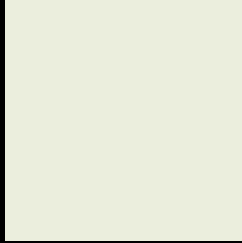
Large Text (above 18pt) WCAG AA × Fail

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 84.0317, 0.3213, 0.3466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

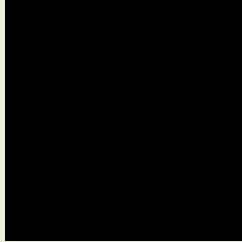
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

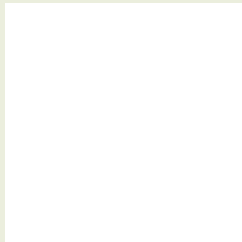
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.0317, 0.3213, 0.3466

Background



This preview shows how black text looks on a background with the Yxy color 84.0317, 0.3213, 0.3466.

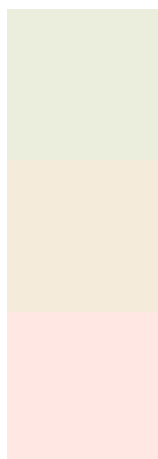


This preview shows how white text looks on a background with the Yxy color 84.0317, 0.3213, 0.3466.

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

84.0317, 0.3213, 0.3466

Protanopia

83.7642, 0.3290, 0.3454

Deuteranopia

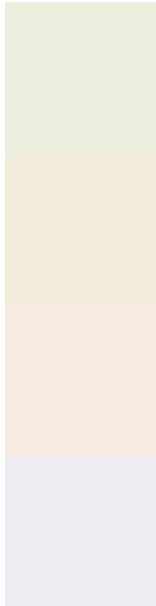
83.9579, 0.3319, 0.3330



Tritanopia

83.8314, 0.3056, 0.3100

Trichromacy



Original Color

84.0317, 0.3213, 0.3466

Protanomaly

83.8590, 0.3262, 0.3454

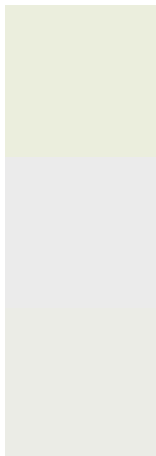
Deuteranomaly

84.2383, 0.3280, 0.3381

Tritanomaly

83.9447, 0.3110, 0.3229

Monochromacy



Original Color

84.0317, 0.3213, 0.3466

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.3662, 0.3158, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.0317, 0.3213, 0.3466 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(235, 238, 221)` looks like.

```
.text, #text, p{  
    color:rgb(235, 238, 221)  
}
```

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(235, 238, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 238, 221) }
```

Border

The CSS property to change the border of an element to Yxy 84.0317, 0.3213, 0.3466 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(235, 238, 221) }
```

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

```
.border{ border-color:rgb(235, 238, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 238, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 238, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 238, 221);  
box-shadow:4px 4px 4px 4px rgb(235, 238,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 84.0317, 0.3213, 0.3466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 238, 221) }
```

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

```
.background{ background-color: rgb(235,  
238, 221) }
```

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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