

# Converting Colors

$Y_{xy}(84.3100, 0.3144, 0.3291)$

Have a look what the booklet for  
Yxy(84.3100, 0.3144, 0.3291)  
contains.

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# Color

**Yxy(84.2242, 0.3141, 0.3290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEEECEC
RGB	238, 236, 236
RGB Percent	93%, 93%, 93%
CMY	0.0664, 0.0746, 0.0746
CMYK	0.00, 0.01, 0.01, 0.07
HSL	360°, 6%, 93%
HSV	360°, 1%, 93%
XYZ	80.4098, 84.2242, 91.3666
YIQ	236.5980, 1.1920, 0.4240

# Conversions

## Conversions Part 2

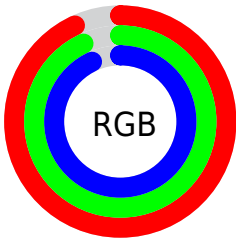
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	238, 236, 236
Decimal	15658220
CIE Lab	93.55, 0.70, 0.23
CIE LCh	94, 0.739, 18.391
Yxy	84.2242, 0.3141, 0.3290
Android (android.graphics.Color)	4293848300 (0xFFEEEECEC)
YUV	236.5980, -0.2948, 1.2296
Hunter-Lab	91.7737, -4.2069, 5.2146

# Details

The Yxy color **84.2242, 0.3141, 0.3290** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.1937, 0.3113, 0.3290**, and the grayscale version is **84.3727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.8829, 0.3144, 0.3290** is the 20% darker color. If you saturate the color by 10%, you get **70.1297, 0.3321, 0.3290**, and if you desaturate by 10%, it is **96.9282, 0.3024, 0.3290**.

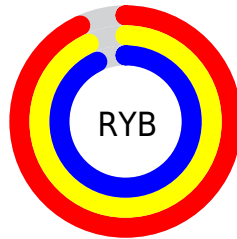
# Distribution



Red (93%)

Green (93%)

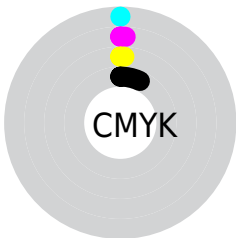
Blue (93%)



Red (93%)

Yellow (93%)

Blue (93%)

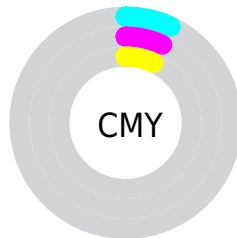


Cyan (0%)

Magenta (1%)

Yellow (1%)

Black (7%)



Cyan (7%)

Magenta (7%)


Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.2242, 0.3141, 0.3290 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 84.2242, 0.3141, 0.3290 by changing the saturation by 10% instead.




 84.2242, 0.3141,  
0.3290

 84.2242, 0.3141,  
0.3290


509.0575, 0.3135,  
0.3290

 63.2006, 0.3142,  
0.3290


139.2888, 0.3139,  
0.3290

 46.0035, 0.3144,  
0.3290


174.0985, 0.3138,  
0.3290

 32.2486, 0.3146,  
0.3290


214.2723, 0.3137,  
0.3290

 21.5514, 0.3149,  
0.3290

260.1947, 0.3137,  
0.3290

 13.5277, 0.3153,  
0.3290

312.2500, 0.3136,  
0.3290

 7.7929, 0.3158,  
0.3290

370.8226, 0.3136,

 3.9627, 0.3165,

0.3290

436.2970, 0.3135,  
0.3290

0.3290

■ 1.6527, 0.3178,  
0.3289

■ 0.3928, 0.3268,  
0.3288

■ 84.2242, 0.3141,  
0.3290

■ 84.2242, 0.3141,  
0.3290

■ 70.1297, 0.3321,  
0.3290

■ 96.9282, 0.3024,  
0.3290

■ 57.9638, 0.3546,  
0.3291

■ 47.6461, 0.3828,  
0.3292

■ 39.0861, 0.4175,  
0.3292

■ 32.1859, 0.4589,  
0.3293

■ 26.8380, 0.5057,  
0.3295

■ 22.9223, 0.5539,  
0.3296

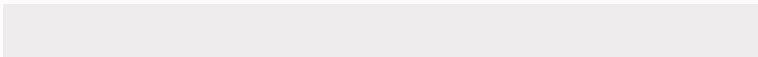
■ 20.3009, 0.5966,  
0.3298

■ 18.8092, 0.6262,  
0.3299

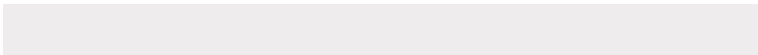
# Harmonies

## Analogous

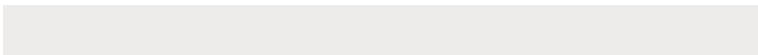
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.2242, 0.3135, 0.3283



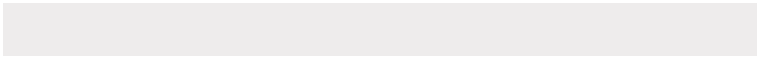
84.2242, 0.3141, 0.3290



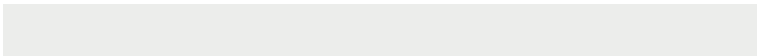
84.2242, 0.3144, 0.3297

# Triad

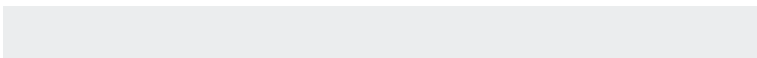
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.2242, 0.3141, 0.3290



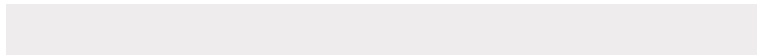
84.2242, 0.3128, 0.3303



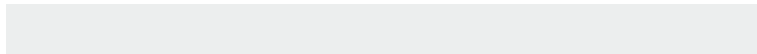
84.2242, 0.3112, 0.3278

# Complementary

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



84.2242, 0.3141, 0.3290



85.1937, 0.3113, 0.3290

# 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.



84.2242, 0.3111, 0.3283



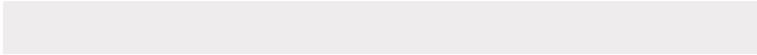
84.2242, 0.3141, 0.3290



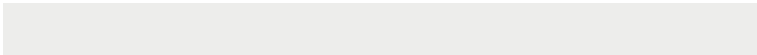
84.2242, 0.3120, 0.3298

# Square

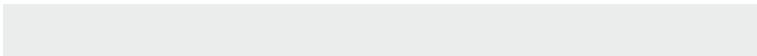
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



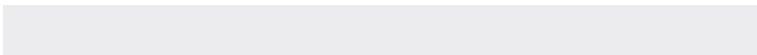
84.2242, 0.3141, 0.3290



84.2242, 0.3137, 0.3305



84.2242, 0.3114, 0.3290

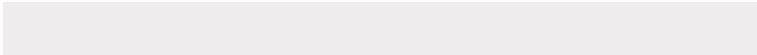


84.2242, 0.3118, 0.3276

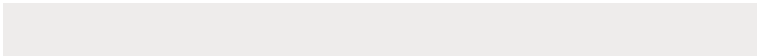


# Rectangle

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



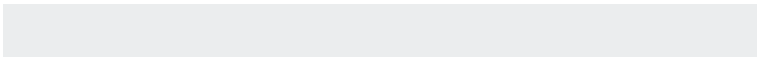
84.2242, 0.3141, 0.3290



84.2242, 0.3143, 0.3301



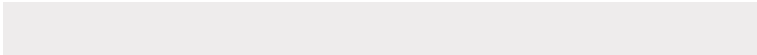
84.2242, 0.3114, 0.3290



84.2242, 0.3111, 0.3279

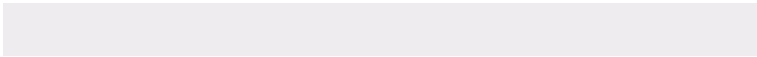
# Sweetspot

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



84.2278, 0.3141, 0.3290

100.0000, 0.3127, 0.3290



84.3431, 0.3128, 0.3269



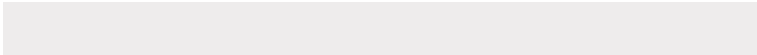
21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

# Same Dimension

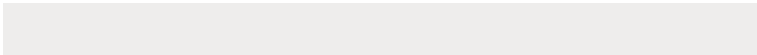
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.2278, 0.3141, 0.3290



98.2207, 0.3143, 0.3290



84.8070, 0.3140, 0.3300



18.4168, 0.3142, 0.3290



10.1413, 0.6400, 0.3299

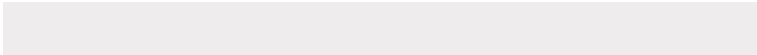


0.8437, 0.6398, 0.3298



# Inverse Universe

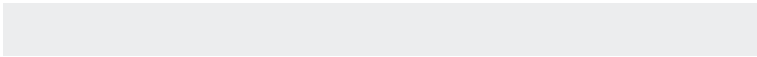
The Inverse Universe completely reimagines the original color for something new.



84.2278, 0.3141, 0.3290



98.2207, 0.3143, 0.3290



84.6111, 0.3114, 0.3280



18.4168, 0.3142, 0.3290



10.1413, 0.6400, 0.3299

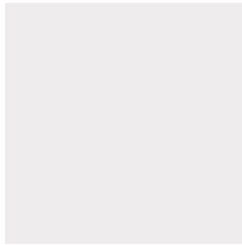


0.8437, 0.6398, 0.3298



# Previews

## White Background



This preview shows how the Yxy color 84.2242, 0.3141, 0.3290 looks on a white background.

## Color Contrast Check

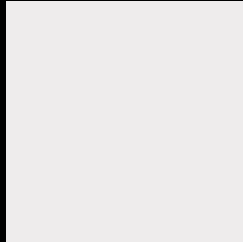
Large Text (above 18pt) WCAG AA × Fail

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 84.2242, 0.3141, 0.3290 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

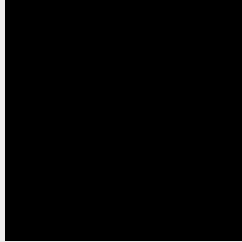
Any Text WCAG AAA ✓ Pass

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

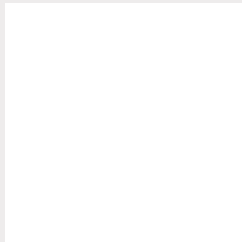


**Yxy 84.2242, 0.3141, 0.3290**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.2242, 0.3141, 0.3290.

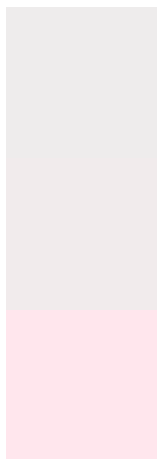


This preview shows how white text looks on a background with the Yxy color 84.2242, 0.3141, 0.3290.

# 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

84.2242, 0.3141, 0.3290

### Protanopia

84.1736, 0.3161, 0.3280

### Deuteranopia

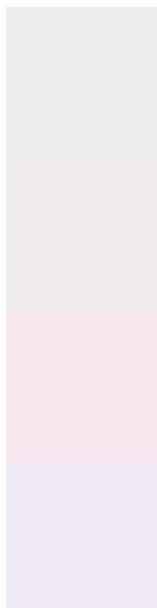
83.9681, 0.3254, 0.3222



## Tritanopia

84.5747, 0.3063, 0.3111

# Trichromacy



## Original Color

84.2242, 0.3141, 0.3290

## Protanomaly

83.9981, 0.3154, 0.3280

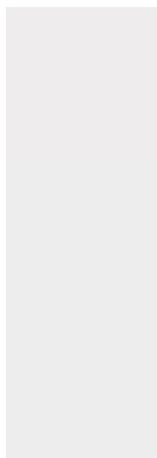
## Deuteranomaly

83.9674, 0.3211, 0.3240

## Tritanomaly

84.5957, 0.3093, 0.3180

# Monochromacy



## Original Color

84.2242, 0.3141, 0.3290

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

84.6873, 0.3127, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.2242, 0.3141, 0.3290 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, 236)` looks like.

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

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, 236) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to Yxy 84.2242, 0.3141, 0.3290 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, 236) }
```

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

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

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, 236)` colored shadow looks like.

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

# Background

The CSS property to change the background color of an element to Yxy 84.2242, 0.3141, 0.3290 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, 236) }
```

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

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

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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