

Converting Colors

$Yxy(67.6222, 0.4150, 0.4593)$

Have a look what the booklet for
Yxy(67.6222, 0.4150, 0.4593)
contains.

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Color

Yxy(67.7721, 0.4148, 0.4599)

Conversions

Conversions Part 1

Format	Color
Hex	EDD855
RGB	237, 216, 85
RGB Percent	93%, 85%, 33%
CMY	0.0705, 0.1529, 0.6665
CMYK	0.00, 0.09, 0.64, 0.07
HSL	52°, 81%, 63%
HSV	52°, 64%, 93%
XYZ	61.1260, 67.7721, 18.4645
YIQ	207.3450, 54.5670, -36.2890

Conversions

Conversions Part 2

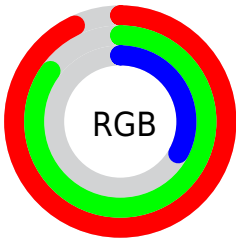
Format	Color
RYB	109, 237, 85
Decimal	15587413
CIELab	85.89, -7.61, 64.97
CIELCh	86, 65.418, 96.677
Yxy	67.7721, 0.4148, 0.4599
Android (android.graphics.Color)	4293777493 (0xFFEDD855)
YUV	207.3450, -60.3161, 26.0074
Hunter-Lab	82.3238, -11.5291, 44.3284

Details

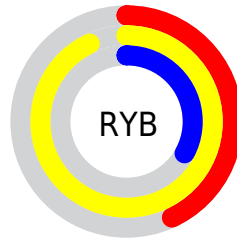
The Yxy color **67.7721, 0.4148, 0.4599** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **18.3717, 0.1936, 0.1470**, and the grayscale version is **63.0077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6734, 0.3798, 0.4400**, and **35.3716, 0.4316, 0.4855** is the 20% darker color. If you saturate the color by 10%, you get **65.7964, 0.4271, 0.4722**, and if you desaturate by 10%, it is **69.9138, 0.4004, 0.4437**.

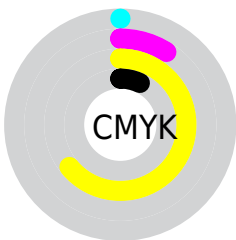
Distribution



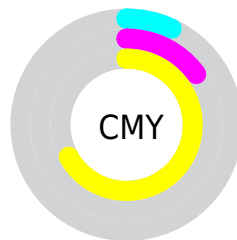
- Red (93%)
- Green (85%)
- Blue (33%)



- Red (43%)
- Yellow (93%)
- Blue (33%)



- Cyan (0%)
- Magenta (9%)
- Yellow (64%)
- Black (7%)




- Cyan (7%)
- Magenta (15%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.7721, 0.4148, 0.4599 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 67.7721, 0.4148, 0.4599 by changing the saturation by 10% instead.


 67.7721, 0.4148,
0.4599


 67.7721, 0.4148,
0.4599


452.6881, 0.3713,
0.4017

 49.7124, 0.4229,
0.4716


 116.0261, 0.4010,
0.4408


 35.1849, 0.4319,
0.4851


 146.9891, 0.3952,
0.4330

 23.8053, 0.4412,
0.5001


 183.0219, 0.3901,
0.4261

 15.1893, 0.4500,
0.5164

 224.5091, 0.3855,
0.4201

 8.9523, 0.4614,
0.5386

271.8348, 0.3814,
0.4147

 4.7101, 0.4551,
0.5449

325.3837, 0.3777,

 2.0782, 0.4448,

0.4099

0.5552

385.5400, 0.3744,
0.4056

■ 0.6523, 0.3997,
0.6003

■ 0.0000, 0.0000,
0.0000

■ 67.7721, 0.4148,
0.4599

■ 67.7721, 0.4148,
0.4599

■ 65.7964, 0.4271,
0.4722

■ 69.9138, 0.4004,
0.4437

■ 63.9638, 0.4367,
0.4801

■ 72.2235, 0.3844,
0.4246

■ 62.2613, 0.4435,
0.4834

■ 74.7147, 0.3678,
0.4035

■ 61.3055, 0.4464,
0.4837

■ 77.3966, 0.3509,
0.3815

80.2779, 0.3345,
0.3593

83.3666, 0.3189,
0.3376

86.6702, 0.3042,
0.3170

88.8635, 0.3018,
0.3163

90.8347, 0.3018,
0.3196

Harmonies

Analogous

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



67.7721, 0.4628, 0.4100



67.7721, 0.4148, 0.4599



67.7721, 0.3432, 0.4775

Triad

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



67.7721, 0.4148, 0.4599



67.7721, 0.1784, 0.2749



67.7721, 0.3455, 0.2475

Complementary

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



67.7721, 0.4148, 0.4599



18.3717, 0.1936, 0.1470

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.



67.7721, 0.2661, 0.2168



67.7721, 0.4148, 0.4599



67.7721, 0.1791, 0.2261

Square

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



67.7721, 0.4148, 0.4599



67.7721, 0.2082, 0.3541



67.7721, 0.2085, 0.2084



67.7721, 0.4240, 0.2949

Rectangle

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



67.7721, 0.4148, 0.4599



67.7721, 0.2918, 0.4575



67.7721, 0.2085, 0.2084



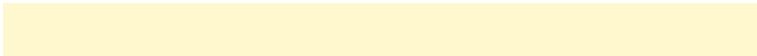
67.7721, 0.3176, 0.2350

Sweetspot

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



67.7753, 0.4148, 0.4599



93.0622, 0.3426, 0.3703



25.5922, 0.4902, 0.3068



19.7121, 0.3473, 0.3766



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.



67.7753, 0.4148, 0.4599



76.9741, 0.4305, 0.4752



71.4030, 0.3619, 0.5003



17.2510, 0.3271, 0.3491



33.6106, 0.4459, 0.4841



2.7372, 0.4417, 0.4875

Inverse Universe

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



18.3717, 0.1936, 0.1470



14.7635, 0.1725, 0.1101



18.0448, 0.2250, 0.1397



14.8848, 0.2980, 0.3080



4.0352, 0.1531, 0.0711



0.4229, 0.1587, 0.0912

Previews

White Background



This preview shows how the Yxy color 67.7721, 0.4148, 0.4599 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 67.7721, 0.4148, 0.4599 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 67.7721, 0.4148, 0.4599

Background



This preview shows how black text looks on a background with the Yxy color 67.7721, 0.4148, 0.4599.

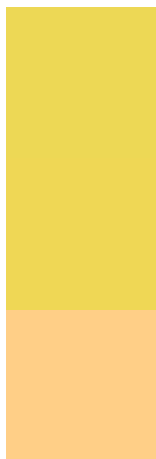


This preview shows how white text looks on a background with the Yxy color 67.7721, 0.4148, 0.4599.

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

67.7721, 0.4148, 0.4599

Protanopia

67.6075, 0.4171, 0.4582

Deuteranopia

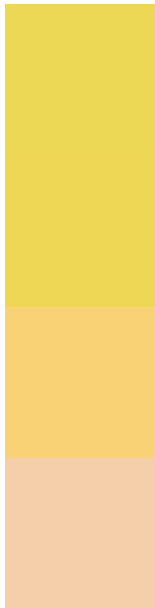
67.6349, 0.4044, 0.4027



Tritanopia

67.4428, 0.3376, 0.3125

Trichromacy



Original Color

67.7721, 0.4148, 0.4599

Protanomaly

67.4339, 0.4163, 0.4587

Deuteranomaly

67.3340, 0.4094, 0.4243

Tritanomaly

66.9404, 0.3702, 0.3687

Monochromacy



Original Color

67.7721, 0.4148, 0.4599

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

63.6430, 0.3527, 0.3832

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7721, 0.4148, 0.4599 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(237, 216, 85)` looks like.

```
.text, #text, p{  
    color:rgb(237, 216, 85)  
}
```

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(237, 216, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 216, 85) }
```

Border

The CSS property to change the border of an element to Yxy 67.7721, 0.4148, 0.4599 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(237, 216, 85) }
```

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

```
.border{ border-color:rgb(237, 216, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 216, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 216, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 216, 85);  
box-shadow:4px 4px 4px 4px rgb(237, 216,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7721, 0.4148, 0.4599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 216, 85) }
```

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

```
.background{ background-color: rgb(237,  
216, 85) }
```

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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