

Converting Colors

$Yxy(66.3588, 0.3903, 0.4957)$

Have a look what the booklet for
Yxy(66.3588, 0.3903, 0.4957)
contains.

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Color

Yxy(66.4012, 0.3904, 0.4960)

Conversions

Conversions Part 1

Format	Color
Hex	CBE042
RGB	203, 224, 66
RGB Percent	80%, 88%, 26%
CMY	0.2040, 0.1215, 0.7414
CMYK	0.09, 0.00, 0.71, 0.12
HSL	68°, 72%, 57%
HSV	68°, 71%, 88%
XYZ	52.2642, 66.4012, 15.2080
YIQ	199.7090, 38.2020, -53.5900

Conversions

Conversions Part 2

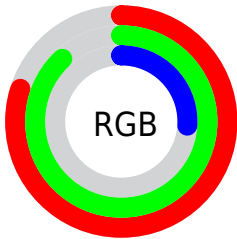
Format	Color
RYB	66, 224, 87
Decimal	13361218
CIELab	85.20, -26.58, 70.71
CIELCh	85, 75.545, 110.600
Yxy	66.4012, 0.3904, 0.4960
Android (android.graphics.Color)	4291551298 (0xFFCBE042)
YUV	199.7090, -65.9185, 2.8862
Hunter-Lab	81.4869, -28.1156, 45.9755

Details

The Yxy color **66.4012, 0.3904, 0.4960** 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 **11.2981, 0.1889, 0.1104**, and the grayscale version is **57.9636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2101, 0.3884, 0.4541**, and **34.3957, 0.3947, 0.5248** is the 20% darker color. If you saturate the color by 10%, you get **65.7757, 0.3946, 0.5097**, and if you desaturate by 10%, it is **67.1442, 0.3836, 0.4781**.

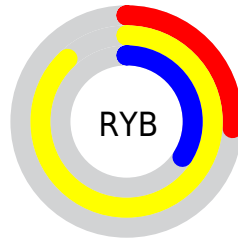
Distribution



Red (80%)

Green (88%)

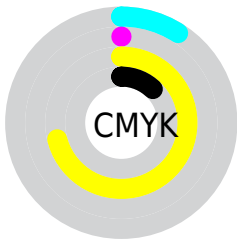
Blue (26%)



Red (26%)

Yellow (88%)

Blue (34%)

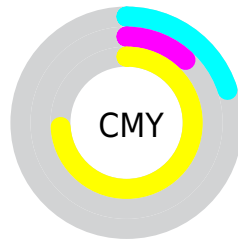


Cyan (9%)

Magenta (0%)

Yellow (71%)

Black (12%)



Cyan (20%)


Magenta (12%)

Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.4012, 0.3904, 0.4960 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 66.4012, 0.3904, 0.4960 by changing the saturation by 10% instead.

 66.4012, 0.3904,
0.4960


 66.4012, 0.3904,
0.4960


447.8103, 0.3606,
0.4186

 48.5982, 0.3947,
0.5123

 114.0620, 0.3819,
0.4699


 34.3008, 0.3985,
0.5314

 144.6885, 0.3780,
0.4595

 23.1248, 0.4008,
0.5533

 180.3583, 0.3744,
0.4504

 14.6857, 0.4005,
0.5795

 221.4558, 0.3711,
0.4424

 8.5991, 0.3927,
0.6073

 268.3653, 0.3681,
0.4354

 4.4806, 0.3688,
0.6312

321.4713, 0.3654,

 1.9459, 0.3293,

0.4291

0.6707

381.1582, 0.3629,
0.4236

■ 0.5757, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.4012, 0.3904,
0.4960

■ 66.4012, 0.3904,
0.4960

■ 65.7757, 0.3946,
0.5097

■ 67.1442, 0.3836,
0.4781


■ 65.2456, 0.3962,
0.5188


■ 68.0064, 0.3746,
0.4566


■ 64.8146, 0.3958,
0.5239


■ 69.0004, 0.3638,
0.4325


■ 70.1346, 0.3517,
0.4069

 71.4168, 0.3390,
0.3809

 72.8542, 0.3261,
0.3551

 74.4535, 0.3134,
0.3303

 76.2209, 0.3012,
0.3070

 77.3268, 0.2971,
0.2973

Harmonies

Analogous

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



66.4012, 0.4617, 0.4468



66.4012, 0.3904, 0.4960



66.4012, 0.3038, 0.4919

Triad

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



66.4012, 0.3904, 0.4960



66.4012, 0.1574, 0.2348



66.4012, 0.3950, 0.2589

Complementary

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



66.4012, 0.3904, 0.4960



11.2981, 0.1889, 0.1104

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.



66.4012, 0.2985, 0.2155



66.4012, 0.3904, 0.4960



66.4012, 0.1731, 0.1985

Square

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



66.4012, 0.3904, 0.4960



66.4012, 0.1734, 0.3101



66.4012, 0.2201, 0.1939



66.4012, 0.4728, 0.3170

Rectangle

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



66.4012, 0.3904, 0.4960



66.4012, 0.2485, 0.4464



66.4012, 0.2201, 0.1939



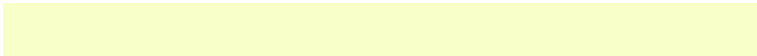
66.4012, 0.3627, 0.2424

Sweetspot

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



66.4042, 0.3904, 0.4960



95.6924, 0.3398, 0.3824



22.6433, 0.5353, 0.3470



20.3761, 0.3433, 0.3897



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.



66.4042, 0.3904, 0.4960



87.8583, 0.3957, 0.5149



58.1862, 0.3333, 0.5339



15.9323, 0.3247, 0.3523



37.7596, 0.3962, 0.5236



2.6433, 0.4000, 0.5206

Inverse Universe

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



11.2981, 0.1889, 0.1104



9.8183, 0.1669, 0.0777



17.1042, 0.2551, 0.1426



13.3302, 0.3001, 0.3049



3.3195, 0.1553, 0.0629



0.2587, 0.1665, 0.0691

Previews

White Background



This preview shows how the Yxy color 66.4012, 0.3904, 0.4960 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 66.4012, 0.3904, 0.4960 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 66.4012, 0.3904, 0.4960

Background



This preview shows how black text looks on a background with the Yxy color 66.4012, 0.3904, 0.4960.



This preview shows how white text looks on a background with the Yxy color 66.4012, 0.3904, 0.4960.

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

66.4012, 0.3904, 0.4960

Protanopia

66.1245, 0.4271, 0.4710

Deuteranopia

65.8509, 0.4151, 0.4120



Tritanopia

66.1520, 0.3084, 0.3104

Trichromacy



Original Color

66.4012, 0.3904, 0.4960

Protanomaly

66.0034, 0.4133, 0.4804

Deuteranomaly

65.3807, 0.4082, 0.4427

Tritanomaly

65.0664, 0.3442, 0.3824

Monochromacy



Original Color

66.4012, 0.3904, 0.4960

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

60.2528, 0.3478, 0.3994

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.4012, 0.3904, 0.4960 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(203, 224, 66)` looks like.

```
.text, #text, p{  
    color:rgb(203, 224, 66)  
}
```

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(203, 224, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 224, 66) }
```

Border

The CSS property to change the border of an element to Yxy 66.4012, 0.3904, 0.4960 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(203, 224, 66) }
```

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

```
.border{ border-color:rgb(203, 224, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 224, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 224, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 224, 66);  
box-shadow:4px 4px 4px 4px rgb(203, 224,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 66.4012, 0.3904, 0.4960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 224, 66) }
```

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

```
.background{ background-color: rgb(203,  
224, 66) }
```

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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