

Converting Colors

$Yxy(66.7771, 0.3924, 0.4976)$

Have a look what the booklet for
Yxy(66.7771, 0.3924, 0.4976)
contains.

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Color

Yxy(66.5076, 0.3922, 0.4973)

Conversions

Conversions Part 1

Format	Color
Hex	CCE03F
RGB	204, 224, 63
RGB Percent	80%, 88%, 25%
CMY	0.2001, 0.1215, 0.7528
CMYK	0.09, 0.00, 0.72, 0.12
HSL	67°, 72%, 56%
HSV	67°, 72%, 88%
XYZ	52.4518, 66.5076, 14.7780
YIQ	199.6660, 39.7610, -54.3110

Conversions

Conversions Part 2

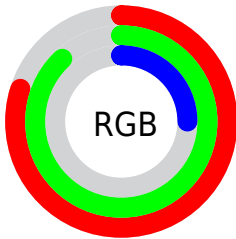
Format	Color
RYB	63, 224, 83
Decimal	13426751
CIELab	85.25, -26.32, 71.80
CIELCh	85, 76.469, 110.135
Yxy	66.5076, 0.3922, 0.4973
Android (android.graphics.Color)	4291616831 (0xFFCCE03F)
YUV	199.6660, -67.3763, 3.8009
Hunter-Lab	81.5522, -27.9108, 46.3427

Details

The Yxy color **66.5076, 0.3922, 0.4973** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light washed yellow. A complement of this color would be **10.7813, 0.1858, 0.1065**, and the grayscale version is **57.9482, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1605, 0.3893, 0.4557**, and **34.4869, 0.3957, 0.5240** is the 20% darker color. If you saturate the color by 10%, you get **65.9187, 0.3962, 0.5102**, and if you desaturate by 10%, it is **67.2114, 0.3856, 0.4801**.

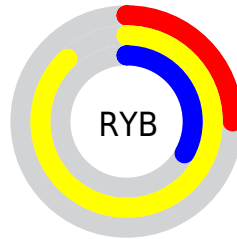
Distribution



Red (80%)

Green (88%)

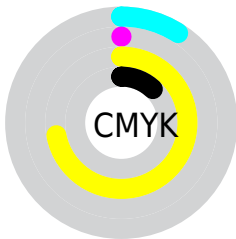
Blue (25%)



Red (25%)

Yellow (88%)

Blue (33%)

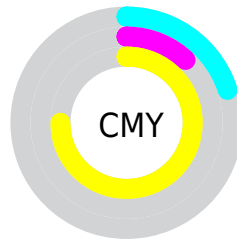


Cyan (9%)

Magenta (0%)

Yellow (72%)

Black (12%)



Cyan (20%)


Magenta (12%)

Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.5076, 0.3922, 0.4973 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 66.5076, 0.3922, 0.4973 by changing the saturation by 10% instead.

 66.5076, 0.3922,
0.4973


 66.5076, 0.3922,
0.4973


448.1900, 0.3618,
0.4195

 48.6846, 0.3966,
0.5136

 114.2146, 0.3836,
0.4712


 34.3693, 0.4003,
0.5325


 144.8673, 0.3796,
0.4607

 23.1775, 0.4025,
0.5541


 180.5654, 0.3759,
0.4516

 14.7246, 0.4025,
0.5803

 221.6932, 0.3726,
0.4436

 8.6263, 0.3938,
0.6062

 268.6352, 0.3695,
0.4365

 4.4983, 0.3702,
0.6298

321.7758, 0.3667,

 1.9560, 0.3311,

0.4302

0.6689

381.4992, 0.3641,
0.4246

■ 0.5817, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.5076, 0.3922,
0.4973

■ 66.5076, 0.3922,
0.4973

■ 65.9187, 0.3962,
0.5102

■ 67.2114, 0.3856,
0.4801


■ 65.4224, 0.3977,
0.5186


■ 68.0321, 0.3767,
0.4592


■ 65.0715, 0.3973,
0.5227

■ 68.9824, 0.3659,
0.4355


■ 70.0709, 0.3538,
0.4102

 71.3053, 0.3410,
0.3842

 72.6930, 0.3280,
0.3584

 74.2407, 0.3151,
0.3335

 75.9547, 0.3027,
0.3099

 77.2049, 0.2967,
0.2973

Harmonies

Analogous

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



66.5076, 0.4640, 0.4467



66.5076, 0.3922, 0.4973



66.5076, 0.3049, 0.4947

Triad

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



66.5076, 0.3922, 0.4973



66.5076, 0.1560, 0.2346



66.5076, 0.3944, 0.2574

Complementary

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



66.5076, 0.3922, 0.4973



10.7813, 0.1858, 0.1065

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.



66.5076, 0.2968, 0.2139



66.5076, 0.3922, 0.4973



66.5076, 0.1714, 0.1976

Square

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



66.5076, 0.3922, 0.4973



66.5076, 0.1725, 0.3112



66.5076, 0.2182, 0.1926



66.5076, 0.4738, 0.3157

Rectangle

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



66.5076, 0.3922, 0.4973



66.5076, 0.2489, 0.4494



66.5076, 0.2182, 0.1926



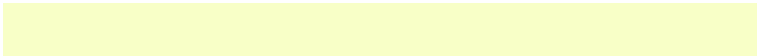
66.5076, 0.3617, 0.2408

Sweetspot

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



66.5106, 0.3922, 0.4973



95.5992, 0.3414, 0.3850



22.2133, 0.5411, 0.3469



20.3614, 0.3449, 0.3921



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.



66.5106, 0.3922, 0.4973



88.0936, 0.3972, 0.5147



58.0157, 0.3331, 0.5372



15.9385, 0.3248, 0.3523



37.9072, 0.3977, 0.5224



2.6521, 0.4012, 0.5196

Inverse Universe

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



10.7813, 0.1858, 0.1065



9.5198, 0.1650, 0.0758



16.6527, 0.2537, 0.1399



13.3246, 0.3000, 0.3049



3.3019, 0.1548, 0.0626



0.2560, 0.1655, 0.0685

Previews

White Background



This preview shows how the Yxy color 66.5076, 0.3922, 0.4973 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 66.5076, 0.3922, 0.4973 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 66.5076, 0.3922, 0.4973

Background



This preview shows how black text looks on a background with the Yxy color 66.5076, 0.3922, 0.4973.



This preview shows how white text looks on a background with the Yxy color 66.5076, 0.3922, 0.4973.

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

66.5076, 0.3922, 0.4973

Protanopia

66.2655, 0.4289, 0.4721

Deuteranopia

65.8509, 0.4151, 0.4120



Tritanopia

66.3076, 0.3092, 0.3104

Trichromacy



Original Color

66.5076, 0.3922, 0.4973

Protanomaly

66.1314, 0.4152, 0.4816

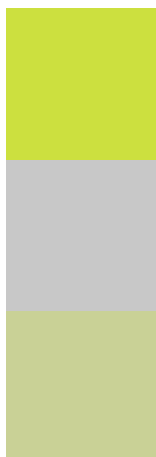
Deuteranomaly

65.3610, 0.4088, 0.4436

Tritanomaly

65.1793, 0.3457, 0.3835

Monochromacy



Original Color

66.5076, 0.3922, 0.4973

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

60.2204, 0.3485, 0.4006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.5076, 0.3922, 0.4973 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(204, 224, 63)` looks like.

```
.text, #text, p{  
    color:rgb(204, 224, 63)  
}
```

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(204, 224, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 224, 63) }
```

Border

The CSS property to change the border of an element to Yxy 66.5076, 0.3922, 0.4973 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(204, 224, 63) }
```

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

```
.border{ border-color:rgb(204, 224, 63) }
```

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

Here you see how a box with a 4 pixel rgb(204, 224, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 224, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 224, 63);  
box-shadow:4px 4px 4px 4px rgb(204, 224,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 66.5076, 0.3922, 0.4973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 224, 63) }
```

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

```
.background{ background-color: rgb(204,  
224, 63) }
```

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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