

Converting Colors

Yxy(67.8497, 0.4139, 0.4892)

Have a look what the booklet for
Yxy(67.8497, 0.4139, 0.4892)
contains.

Yxy(67.9775, 0.4141, 0.4891)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.9775, 0.4141, 0.4891)

Conversions

Conversions Part 1

Format	Color
Hex	E1DD35
RGB	225, 221, 53
RGB Percent	88%, 87%, 21%
CMY	0.1176, 0.1333, 0.7922
CMYK	0.00, 0.02, 0.76, 0.12
HSL	59°, 74%, 55%
HSV	59°, 76%, 88%
XYZ	57.5536, 67.9775, 13.4537
YIQ	203.0440, 56.3120, -51.4000

Conversions

Conversions Part 2

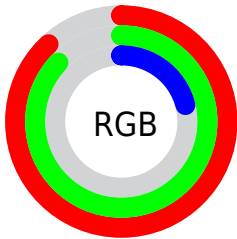
Format	Color
RYB	57, 225, 53
Decimal	14802229
CIELab	86.00, -16.63, 76.24
CIELCh	86, 78.031, 102.303
Yxy	67.9775, 0.4141, 0.4891
Android (android.graphics.Color)	4292992309 (0xFFE1DD35)
YUV	203.0440, -73.9717, 19.2554
Hunter-Lab	82.4485, -19.6819, 48.0391

Details

The Yxy color **67.9775, 0.4141, 0.4891** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **9.1203, 0.1690, 0.0933**, and the grayscale version is **60.1997, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9723, 0.3930, 0.4618**, and **35.3794, 0.4193, 0.5053** is the 20% darker color. If you saturate the color by 10%, you get **67.5432, 0.4197, 0.4972**, and if you desaturate by 10%, it is **68.5161, 0.4058, 0.4766**.

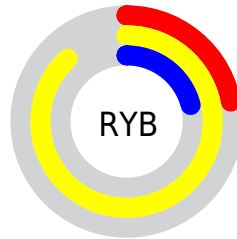
Distribution



Red (88%)

Green (87%)

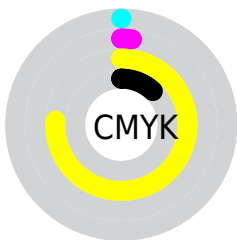
Blue (21%)



Red (22%)

Yellow (88%)

Blue (21%)

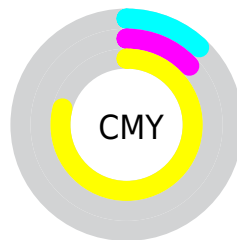


Cyan (0%)

Magenta (2%)

Yellow (76%)

Black (12%)



Cyan (12%)

Magenta (13%)


Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.9775, 0.4141, 0.4891 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 67.9775, 0.4141, 0.4891 by changing the saturation by 10% instead.


 67.9775, 0.4141,
0.4891


 67.9775, 0.4141,
0.4891


453.4163, 0.3741,
0.4183


 49.8794, 0.4204,
0.5029


 116.3200, 0.4023,
0.4661


 35.3176, 0.4264,
0.5184


 147.3331, 0.3971,
0.4567

 23.9076, 0.4313,
0.5353


 183.4201, 0.3923,
0.4483

 15.2651, 0.4360,
0.5562

 224.9653, 0.3880,
0.4409

 9.0057, 0.4300,
0.5700

 272.3532, 0.3840,
0.4343

 4.7449, 0.4158,
0.5842


325.9680, 0.3804,


 2.0984, 0.3926,

0.4284

0.6074

386.1943, 0.3771,
0.4231


 0.6637, 0.2531,
0.7469


 0.0000, 0.0000,
0.0000


 67.9775, 0.4141,
0.4891


 67.9775, 0.4141,
0.4891


 67.5432, 0.4197,
0.4972

 68.5161, 0.4058,
0.4766


 67.1886, 0.4227,
0.5011


 69.1616, 0.3951,
0.4601


 67.0734, 0.4235,
0.5020

 69.9273, 0.3823,
0.4401

 70.8225, 0.3681,
0.4175

 71.8553, 0.3529,
0.3935

 73.0333, 0.3375,
0.3688

 74.3635, 0.3223,
0.3444

 75.8524, 0.3076,
0.3207

 77.4736, 0.2940,
0.2988

Harmonies

Analogous

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



67.9775, 0.4792, 0.4306



67.9775, 0.4141, 0.4891



67.9775, 0.3279, 0.5053

Triad

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



67.9775, 0.4141, 0.4891



67.9775, 0.1555, 0.2495



67.9775, 0.3695, 0.2433

Complementary

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



67.9775, 0.4141, 0.4891



9.1203, 0.1690, 0.0933

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.



67.9775, 0.2730, 0.2047



67.9775, 0.4141, 0.4891



67.9775, 0.1629, 0.2024

Square

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



67.9775, 0.4141, 0.4891



67.9775, 0.1811, 0.3373



67.9775, 0.2016, 0.1898



67.9775, 0.4592, 0.2991

Rectangle

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



67.9775, 0.4141, 0.4891



67.9775, 0.2693, 0.4731



67.9775, 0.2016, 0.1898



67.9775, 0.3359, 0.2281

Sweetspot

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



67.9807, 0.4141, 0.4891



95.9117, 0.3479, 0.3854



18.8682, 0.5711, 0.3254



20.4127, 0.3535, 0.3943



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.



67.9807, 0.4141, 0.4891



89.3898, 0.4218, 0.5001



60.1111, 0.3493, 0.5357



15.9718, 0.3268, 0.3516



38.6706, 0.4234, 0.5020



2.6981, 0.4227, 0.5025

Inverse Universe

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



9.1203, 0.1690, 0.0933



8.1061, 0.1534, 0.0664



12.9908, 0.2234, 0.1181



13.2942, 0.2981, 0.3053



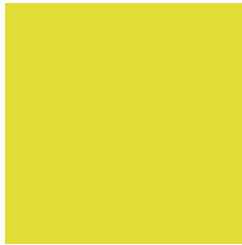
3.2217, 0.1504, 0.0615



0.2417, 0.1517, 0.0660

Previews

White Background



This preview shows how the Yxy color 67.9775, 0.4141, 0.4891 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 67.9775, 0.4141, 0.4891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

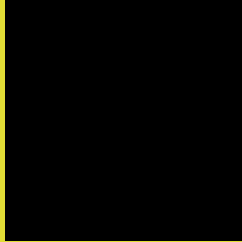
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.9775, 0.4141, 0.4891

Background



This preview shows how black text looks on a background with the Yxy color 67.9775, 0.4141, 0.4891.



This preview shows how white text looks on a background with the Yxy color 67.9775, 0.4141, 0.4891.

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

67.9775, 0.4141, 0.4891

Protanopia

67.7261, 0.4323, 0.4758

Deuteranopia

67.5516, 0.4065, 0.4055



Tritanopia

67.7673, 0.3264, 0.3122

Trichromacy



Original Color

67.9775, 0.4141, 0.4891

Protanomaly

67.7065, 0.4261, 0.4806

Deuteranomaly

67.2993, 0.4135, 0.4396

Tritanomaly

66.6542, 0.3668, 0.3841

Monochromacy



Original Color

67.9775, 0.4141, 0.4891

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

62.0802, 0.3578, 0.4020

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9775, 0.4141, 0.4891 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(225, 221, 53)` looks like.

```
.text, #text, p{  
    color:rgb(225, 221, 53)  
}
```

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(225, 221, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 221, 53) }
```

Border

The CSS property to change the border of an element to Yxy 67.9775, 0.4141, 0.4891 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(225, 221, 53) }
```

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

```
.border{ border-color:rgb(225, 221, 53) }
```

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

Here you see how a box with a 4 pixel rgb(225, 221, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 221, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 221, 53);  
box-shadow:4px 4px 4px 4px rgb(225, 221,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9775, 0.4141, 0.4891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 221, 53) }
```

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

```
.background{ background-color: rgb(225,  
221, 53) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor