

Converting Colors

Yxy(66.6512, 0.4320, 0.4914)

Have a look what the booklet for
Yxy(66.6512, 0.4320, 0.4914)
contains.

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Color

Yxy(66.6512, 0.4320, 0.4914)

Conversions

Conversions Part 1

Format	Color
Hex	EAD813
RGB	234, 216, 19
RGB Percent	92%, 85%, 7%
CMY	0.0825, 0.1529, 0.9257
CMYK	0.00, 0.08, 0.92, 0.08
HSL	55°, 85%, 50%
HSV	55°, 92%, 92%
XYZ	58.5945, 66.6512, 10.3897
YIQ	198.9240, 73.9650, -57.4510

Conversions

Conversions Part 2

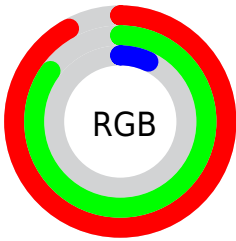
Format	Color
R _Y B	39, 234, 19
Decimal	15390739
CIE Lab	85.33, -11.21, 83.31
CIE LCh	85, 84.061, 97.666
Yxy	66.6512, 0.4320, 0.4914
Android (android.graphics.Color)	4293580819 (0xFFEAD813)
YUV	198.9240, -88.7025, 30.7617
Hunter-Lab	81.6402, -14.7580, 49.6028

Details

The Yxy color **66.6512, 0.4320, 0.4914** 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 **7.3920, 0.1553, 0.0728**, and the grayscale version is **57.5792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5703, 0.4013, 0.4755**, and **34.8393, 0.4319, 0.4953** is the 20% darker color. If you saturate the color by 10%, you get **65.8014, 0.4350, 0.4928**, and if you desaturate by 10%, it is **67.7833, 0.4263, 0.4864**.

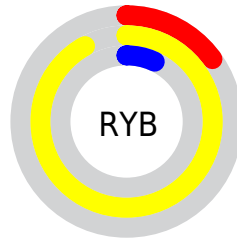
Distribution



Red (92%)

Green (85%)

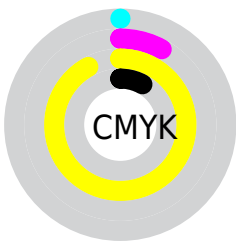
Blue (7%)



Red (15%)

Yellow (92%)

Blue (7%)

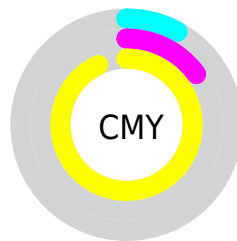


Cyan (0%)

Magenta (8%)

Yellow (92%)

Black (8%)



Cyan (8%)

Magenta (15%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.6512, 0.4320, 0.4914 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 66.6512, 0.4320, 0.4914 by changing the saturation by 10% instead.

 66.6512, 0.4320,
0.4914


 66.6512, 0.4320,
0.4914


448.7022, 0.3854,
0.4225


 48.8012, 0.4390,
0.5037

 114.4205, 0.4186,
0.4700


 34.4618, 0.4456,
0.5168


 145.1086, 0.4125,
0.4608


 23.2486, 0.4507,
0.5301


 180.8448, 0.4069,
0.4526

 14.7772, 0.4549,
0.5451

 222.0136, 0.4018,
0.4453

 8.6632, 0.4485,
0.5515

 268.9993, 0.3971,
0.4387

 4.5221, 0.4388,
0.5612


 322.1864, 0.3929,

 1.9697, 0.4229,


0.4328


0.5771


381.9592, 0.3890,
0.4274


 0.5898, 0.3272,
0.6728


 0.0000, 0.0000,
0.0000


 66.6512, 0.4320,
0.4914

 66.6512, 0.4320,
0.4914


 65.8014, 0.4350,
0.4928

 67.7833, 0.4263,
0.4864

 69.0221, 0.4178,
0.4769

 70.3854, 0.4067,
0.4630


 71.8856, 0.3934,
0.4454

 73.5335, 0.3785,
0.4250

 75.3386, 0.3627,
0.4026

 77.3097, 0.3466,
0.3793

 79.4547, 0.3308,
0.3560

 81.7813, 0.3155,
0.3332

Harmonies

Analogous

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



66.6512, 0.4976, 0.4236



66.6512, 0.4320, 0.4914



66.6512, 0.3416, 0.5232

Triad

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



66.6512, 0.4320, 0.4914



66.6512, 0.1470, 0.2539



66.6512, 0.3567, 0.2296

Complementary

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



66.6512, 0.4320, 0.4914



7.3920, 0.1553, 0.0728

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.



66.6512, 0.2555, 0.1925



66.6512, 0.4320, 0.4914



66.6512, 0.1501, 0.1983

Square

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



66.6512, 0.4320, 0.4914



66.6512, 0.1789, 0.3551



66.6512, 0.1854, 0.1807



66.6512, 0.4589, 0.2860

Rectangle

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



66.6512, 0.4320, 0.4914



66.6512, 0.2785, 0.4990



66.6512, 0.1854, 0.1807



66.6512, 0.3207, 0.2147

Sweetspot

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



66.6544, 0.4320, 0.4914



92.4822, 0.3567, 0.3939



18.1055, 0.6128, 0.3212



19.5791, 0.3636, 0.4039



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.



66.6544, 0.4320, 0.4914



79.9503, 0.4350, 0.4928



65.1598, 0.3540, 0.5527



17.3994, 0.3270, 0.3504



37.0827, 0.4347, 0.4930



2.9754, 0.4323, 0.4949

Inverse Universe

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



7.3920, 0.1553, 0.0728



7.7664, 0.1511, 0.0641



9.4024, 0.1920, 0.0864



14.7508, 0.2980, 0.3067



3.6828, 0.1515, 0.0655



0.3591, 0.1554, 0.0793

Previews

White Background



This preview shows how the Yxy color 66.6512, 0.4320, 0.4914 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 66.6512, 0.4320, 0.4914 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 66.6512, 0.4320, 0.4914

Background



This preview shows how black text looks on a background with the Yxy color 66.6512, 0.4320, 0.4914.

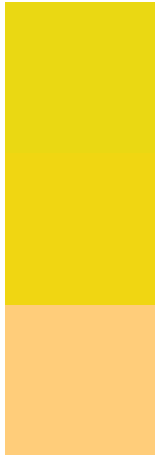


This preview shows how white text looks on a background with the Yxy color 66.6512, 0.4320, 0.4914.

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

66.6512, 0.4320, 0.4914

Protanopia

66.6621, 0.4385, 0.4865

Deuteranopia

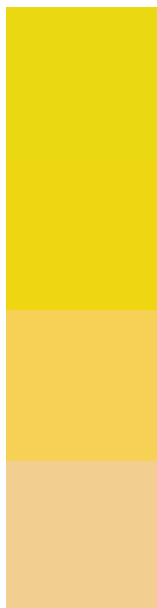
66.3278, 0.4146, 0.4130



Tritanopia

66.5053, 0.3376, 0.3135

Trichromacy



Original Color

66.6512, 0.4320, 0.4914

Protanomaly

66.8217, 0.4361, 0.4884

Deuteranomaly

66.0310, 0.4276, 0.4496

Tritanomaly

65.0335, 0.3878, 0.3957

Monochromacy



Original Color

66.6512, 0.4320, 0.4914

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

59.3809, 0.3704, 0.4127

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6512, 0.4320, 0.4914 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(234, 216, 19)` looks like.

```
.text, #text, p{  
    color:rgb(234, 216, 19)  
}
```

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(234, 216, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 216, 19) }
```

Border

The CSS property to change the border of an element to Yxy 66.6512, 0.4320, 0.4914 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(234, 216, 19) }
```

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

```
.border{ border-color:rgb(234, 216, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 216, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 216, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 216, 19);  
box-shadow:4px 4px 4px 4px rgb(234, 216,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6512, 0.4320, 0.4914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 216, 19) }
```

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

```
.background{ background-color: rgb(234,  
216, 19) }
```

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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