

Converting Colors

Yxy(66.3424, 0.4317, 0.4955)

Have a look what the booklet for
Yxy(66.3424, 0.4317, 0.4955)
contains.

Yxy(66.2675, 0.4321, 0.4951)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.2675, 0.4321, 0.4951)

Conversions

Conversions Part 1

Format	Color
Hex	E8D800
RGB	232, 216, 0
RGB Percent	91%, 85%, 0%
CMY	0.0902, 0.1529, 0.9997
CMYK	0.00, 0.07, 1.00, 0.09
HSL	56°, 100%, 46%
HSV	56°, 100%, 91%
XYZ	57.8352, 66.2675, 9.7440
YIQ	196.1600, 78.8720, -63.7840

Conversions

Conversions Part 2

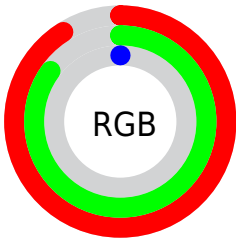
Format	Color
R _Y B	17, 232, 0
Decimal	15259648
CIE Lab	85.13, -12.22, 84.91
CIE LCh	85, 85.783, 98.190
Yxy	66.2675, 0.4321, 0.4951
Android (android.graphics.Color)	4293449728 (0xFFE8D800)
YUV	196.1600, -96.7069, 31.4317
Hunter-Lab	81.4049, -15.6408, 49.8865

Details

The Yxy color **66.2675, 0.4321, 0.4951** 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 **6.1994, 0.1510, 0.0634**, and the grayscale version is **55.8669, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4846, 0.4031, 0.4785**, and **34.6113, 0.4298, 0.4969** is the 20% darker color. If you saturate the color by 10%, you get **66.2678, 0.4321, 0.4951**, and if you desaturate by 10%, it is **67.1574, 0.4286, 0.4928**.

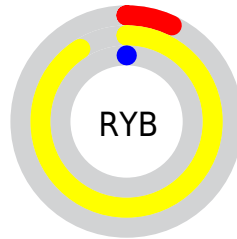
Distribution



Red (91%)

Green (85%)

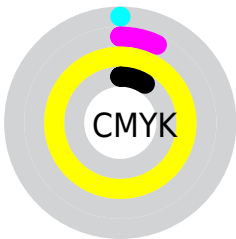
Blue (0%)



Red (7%)

Yellow (91%)

Blue (0%)

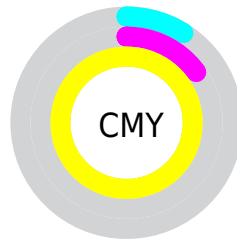


Cyan (0%)

Magenta (7%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (15%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.2675, 0.4321, 0.4951 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 66.2675, 0.4321, 0.4951 by changing the saturation by 10% instead.


 66.2675, 0.4321,
0.4951


 66.2675, 0.4321,
0.4951


447.3329, 0.3860,
0.4248


 48.4896, 0.4388,
0.5076


 113.8702, 0.4190,
0.4733


 34.2148, 0.4448,
0.5207

 144.4637, 0.4130,
0.4640


 23.0586, 0.4494,
0.5342

 180.0980, 0.4075,
0.4556

 14.6368, 0.4518,
0.5482

 221.1573, 0.4024,
0.4481

 8.5649, 0.4447,
0.5553

 268.0260, 0.3977,
0.4414

 4.4585, 0.4341,
0.5659


 321.0886, 0.3935,

 1.9332, 0.4165,


0.4353


0.5835


380.7295, 0.3896,
0.4298


 0.5682, 0.2985,
0.7015


 0.0000, 0.0000,
0.0000

 66.2675, 0.4321,
0.4951


 66.2675, 0.4321,
0.4951

 66.2678, 0.4321,
0.4951

 67.1574, 0.4286,
0.4928

 68.1273, 0.4227,
0.4868

 69.2044, 0.4141,
0.4763

 70.4024, 0.4030,
0.4615

■ 71.7331, 0.3897,
0.4431

■ 73.2067, 0.3749,
0.4220

■ 74.8324, 0.3593,
0.3991

■ 76.6186, 0.3434,
0.3755

■ 78.5731, 0.3277,
0.3519

Harmonies

Analogous

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



66.2675, 0.5000, 0.4257



66.2675, 0.4321, 0.4951



66.2675, 0.3398, 0.5276

Triad

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



66.2675, 0.4321, 0.4951



66.2675, 0.1439, 0.2507



66.2675, 0.3595, 0.2286

Complementary

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



66.2675, 0.4321, 0.4951



6.1994, 0.1510, 0.0634

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.



66.2675, 0.2558, 0.1907



66.2675, 0.4321, 0.4951



66.2675, 0.1477, 0.1952

Square

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



66.2675, 0.4321, 0.4951



66.2675, 0.1753, 0.3533



66.2675, 0.1840, 0.1782



66.2675, 0.4636, 0.2860

Rectangle

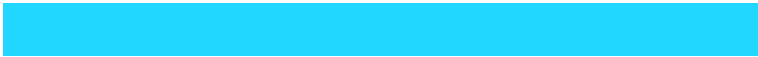
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.2675, 0.4321, 0.4951



66.2675, 0.2757, 0.5022



66.2675, 0.1840, 0.1782



66.2675, 0.3226, 0.2134

Sweetspot

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



66.2707, 0.4321, 0.4951



92.6943, 0.3596, 0.3995



17.2060, 0.6326, 0.3259



19.6529, 0.3663, 0.4094



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.



66.2707, 0.4321, 0.4951



82.0680, 0.4322, 0.4951



62.8951, 0.3477, 0.5621



16.6380, 0.3269, 0.3507



36.8656, 0.4319, 0.4953



2.7756, 0.4299, 0.4969

Inverse Universe

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



6.1994, 0.1510, 0.0634



7.6393, 0.1509, 0.0631



8.3534, 0.1858, 0.0797



14.0459, 0.2980, 0.3064



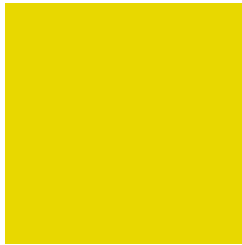
3.5050, 0.1513, 0.0645



0.3154, 0.1547, 0.0767

Previews

White Background



This preview shows how the Yxy color 66.2675, 0.4321, 0.4951 looks on a white background.

Color Contrast Check

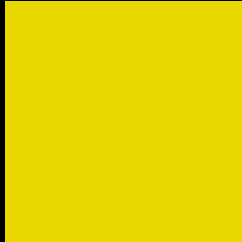
Large Text (above 18pt) WCAG AA × Fail

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 66.2675, 0.4321, 0.4951 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 66.2675, 0.4321, 0.4951

Background



This preview shows how black text looks on a background with the Yxy color 66.2675, 0.4321, 0.4951.



This preview shows how white text looks on a background with the Yxy color 66.2675, 0.4321, 0.4951.

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

66.2675, 0.4321, 0.4951

Protanopia

66.1138, 0.4409, 0.4881

Deuteranopia

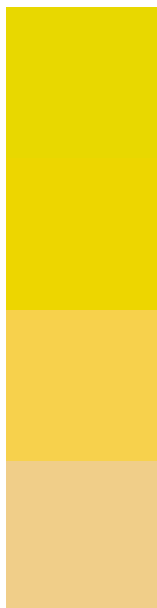
66.2546, 0.4166, 0.4157



Tritanopia

66.1436, 0.3361, 0.3134

Trichromacy



Original Color

66.2675, 0.4321, 0.4951

Protanomaly

66.0977, 0.4377, 0.4906

Deuteranomaly

65.8969, 0.4319, 0.4556

Tritanomaly

64.4740, 0.3912, 0.4034

Monochromacy



Original Color

66.2675, 0.4321, 0.4951

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

57.7478, 0.3750, 0.4217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.2675, 0.4321, 0.4951 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(232, 216, 0)` looks like.

```
.text, #text, p{  
    color:rgb(232, 216, 0)  
}
```

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(232, 216, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 216, 0) }
```

Border

The CSS property to change the border of an element to Yxy 66.2675, 0.4321, 0.4951 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(232, 216, 0) }
```

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

```
.border{ border-color:rgb(232, 216, 0) }
```

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

Here you see how a box with a 4 pixel rgb(232, 216, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 216, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 216, 0);  
box-shadow:4px 4px 4px 4px rgb(232, 216,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 66.2675, 0.4321, 0.4951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 216, 0) }
```

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

```
.background{ background-color: rgb(232,  
216, 0) }
```

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