

Converting Colors

$Yxy(66.9173, 0.3695, 0.4835)$

Have a look what the booklet for
Yxy(66.9173, 0.3695, 0.4835)
contains.

Yxy(66.9173, 0.3695, 0.4835)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(66.9173, 0.3695, 0.4835)

Conversions

Conversions Part 1

Format	Color
Hex	C0E35C
RGB	192, 227, 92
RGB Percent	75%, 89%, 36%
CMY	0.2470, 0.1098, 0.6392
CMYK	0.15, 0.00, 0.59, 0.11
HSL	76°, 71%, 63%
HSV	76°, 59%, 89%
XYZ	51.1395, 66.9173, 20.3451
YIQ	201.1450, 22.4750, -49.4050

Conversions

Conversions Part 2

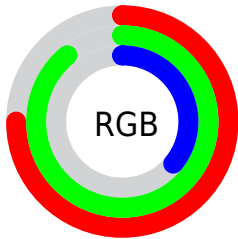
Format	Color
RYB	92, 227, 127
Decimal	12641116
CIELab	85.46, -30.67, 60.60
CIELCh	85, 67.913, 116.843
Yxy	66.9173, 0.3695, 0.4835
Android (android.graphics.Color)	4290831196 (0xFFC0E35C)
YUV	201.1450, -53.8085, -8.0202
Hunter-Lab	81.8030, -31.5652, 42.5162

Details

The Yxy color **66.9173, 0.3695, 0.4835** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **17.7125, 0.2225, 0.1490**, and the grayscale version is **58.8348, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1358, 0.3733, 0.4349**, and **34.7773, 0.3749, 0.5206** is the 20% darker color. If you saturate the color by 10%, you get **65.8280, 0.3743, 0.5045**, and if you desaturate by 10%, it is **68.1623, 0.3625, 0.4593**.

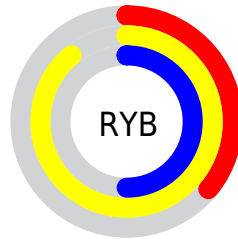
Distribution



Red (75%)

Green (89%)

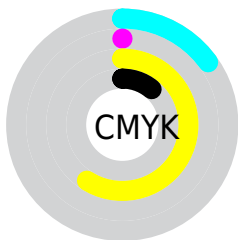
Blue (36%)



Red (36%)

Yellow (89%)

Blue (50%)

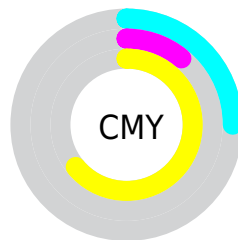


Cyan (15%)

Magenta (0%)

Yellow (59%)

Black (11%)



Cyan (25%)


Magenta (11%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.9173, 0.3695, 0.4835 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 66.9173, 0.3695, 0.4835 by changing the saturation by 10% instead.


 66.9173, 0.3695,
0.4835


 66.9173, 0.3695,
0.4835

449.6503, 0.3476,
0.4097

 49.0174, 0.3728,
0.5001

 114.8019, 0.3631,
0.4579


 34.6333, 0.3758,
0.5201


 145.5554, 0.3603,
0.4479

 23.3805, 0.3778,
0.5444


 181.3623, 0.3577,
0.4393

 14.8747, 0.3771,
0.5739

 222.6068, 0.3553,
0.4318

 8.7315, 0.3772,
0.6201

269.6735, 0.3531,
0.4252

 4.5665, 0.3508,
0.6492

322.9468, 0.3511,

 1.9952, 0.3058,

0.4194

0.6942

382.8109, 0.3492,
0.4143

0.6047, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

66.9173, 0.3695,
0.4835

66.9173, 0.3695,
0.4835

65.8280, 0.3743,
0.5045

68.1623, 0.3625,
0.4593

64.8740, 0.3765,
0.5214

69.5638, 0.3539,
0.4330


64.0448, 0.3762,
0.5335

71.1340, 0.3440,
0.4058

63.3190, 0.3737,
0.5412

72.8810, 0.3335,
0.3787

 63.2822, 0.3736,
0.5416

 74.8125, 0.3228,
0.3525

 76.9356, 0.3122,
0.3277

 79.2570, 0.3019,
0.3047

 80.5264, 0.3033,
0.3010

 81.5681, 0.3072,
0.3013

Harmonies

Analogous

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



66.9173, 0.4382, 0.4494



66.9173, 0.3695, 0.4835



66.9173, 0.2900, 0.4634

Triad

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



66.9173, 0.3695, 0.4835



66.9173, 0.1709, 0.2347



66.9173, 0.4041, 0.2759

Complementary

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



66.9173, 0.3695, 0.4835



17.7125, 0.2225, 0.1490

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.



66.9173, 0.3181, 0.2319



66.9173, 0.3695, 0.4835



66.9173, 0.1916, 0.2068

Square

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



66.9173, 0.3695, 0.4835



66.9173, 0.1800, 0.2963



66.9173, 0.2415, 0.2074



66.9173, 0.4655, 0.3318

Rectangle

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



66.9173, 0.3695, 0.4835



66.9173, 0.2416, 0.4156



66.9173, 0.2415, 0.2074



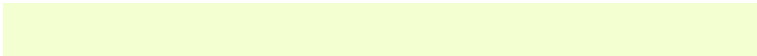
66.9173, 0.3763, 0.2595

Sweetspot

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



66.9203, 0.3695, 0.4835



95.2009, 0.3321, 0.3751



31.9623, 0.4710, 0.3668



20.2271, 0.3352, 0.3829



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.



66.9203, 0.3695, 0.4835



85.4324, 0.3749, 0.5082



60.1301, 0.3222, 0.5103



16.6193, 0.3228, 0.3525



36.9636, 0.3743, 0.5410



2.7755, 0.3811, 0.5356

Inverse Universe

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



17.7125, 0.2225, 0.1490



16.1678, 0.2015, 0.1149



24.5712, 0.2846, 0.1760



14.0669, 0.3020, 0.3050



3.8218, 0.1657, 0.0686



0.3263, 0.1805, 0.0768

Previews

White Background



This preview shows how the Yxy color 66.9173, 0.3695, 0.4835 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 66.9173, 0.3695, 0.4835 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 66.9173, 0.3695, 0.4835

Background



This preview shows how black text looks on a background with the Yxy color 66.9173, 0.3695, 0.4835.



This preview shows how white text looks on a background with the Yxy color 66.9173, 0.3695, 0.4835.

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

66.9173, 0.3695, 0.4835

Protanopia

66.2976, 0.4153, 0.4553

Deuteranopia

66.5076, 0.4097, 0.4065



Tritanopia

66.7116, 0.2979, 0.3101

Trichromacy



Original Color

66.9173, 0.3695, 0.4835

Protanomaly

66.2362, 0.3988, 0.4659

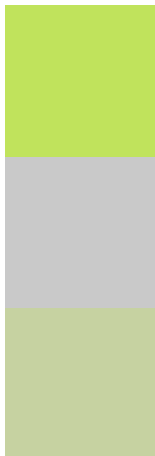
Deuteranomaly

66.0053, 0.3954, 0.4333

Tritanomaly

65.9947, 0.3266, 0.3738

Monochromacy



Original Color

66.9173, 0.3695, 0.4835

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

60.6722, 0.3381, 0.3887

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.9173, 0.3695, 0.4835 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(192, 227, 92)` looks like.

```
.text, #text, p{  
    color:rgb(192, 227, 92)  
}
```

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(192, 227, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 227, 92) }
```

Border

The CSS property to change the border of an element to Yxy 66.9173, 0.3695, 0.4835 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(192, 227, 92) }
```

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

```
.border{ border-color:rgb(192, 227, 92) }
```

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

Here you see how a box with a 4 pixel rgb(192, 227, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 227, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 227, 92);  
box-shadow:4px 4px 4px 4px rgb(192, 227,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 66.9173, 0.3695, 0.4835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 227, 92) }
```

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

```
.background{ background-color: rgb(192,  
227, 92) }
```

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