

Converting Colors

$Yxy(65.3573, 0.3893, 0.5110)$

Have a look what the booklet for
Yxy(65.3573, 0.3893, 0.5110)
contains.

Yxy(65.1268, 0.3896, 0.5105)	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(65.1268, 0.3896, 0.5105)

Conversions

Conversions Part 1

Format	Color
Hex	C3E030
RGB	195, 224, 48
RGB Percent	76%, 88%, 19%
CMY	0.2351, 0.1216, 0.8118
CMYK	0.13, 0.00, 0.79, 0.12
HSL	70°, 74%, 53%
HSV	70°, 79%, 88%
XYZ	49.7030, 65.1268, 12.7447
YIQ	195.2650, 39.2120, -60.8840

Conversions

Conversions Part 2

Format	Color
RYB	48, 224, 77
Decimal	12836912
CIELab	84.55, -30.57, 75.53
CIELCh	85, 81.481, 112.039
Yxy	65.1268, 0.3896, 0.5105
Android (android.graphics.Color)	4291026992 (0xFFC3E030)
YUV	195.2650, -72.6016, -0.2324
Hunter-Lab	80.7012, -31.2907, 47.1275

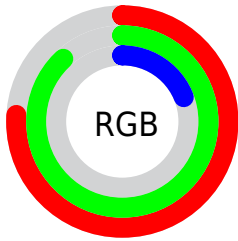
Details

The Yxy color **65.1268, 0.3896, 0.5105** is a light color, and the websafe version is hex **99CC00**.

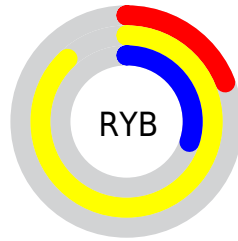
The color can be described as light washed yellow. A complement of this color would be **9.0691, 0.1793, 0.0926**, and the grayscale version is **55.1686, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8841, 0.3948, 0.4647**, and **33.6943, 0.3864, 0.5314** is the 20% darker color. If you saturate the color by 10%, you get **64.5043, 0.3912, 0.5212**, and if you desaturate by 10%, it is **65.8606, 0.3854, 0.4953**.

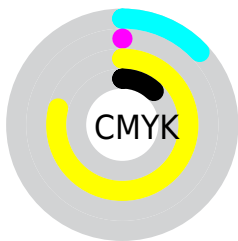
Distribution



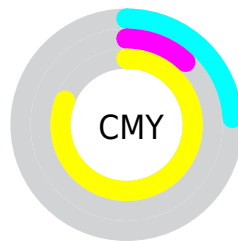
- Red (76%)
- Green (88%)
- Blue (19%)



- Red (19%)
- Yellow (88%)
- Blue (30%)



- Cyan (13%)
- Magenta (0%)
- Yellow (79%)
- Black (12%)




- Cyan (24%)
- Magenta (12%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.1268, 0.3896, 0.5105 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 65.1268, 0.3896, 0.5105 by changing the saturation by 10% instead.

 65.1268, 0.3896,
0.5105

 65.1268, 0.3896,
0.5105

443.2475, 0.3616,
0.4263

 47.5639, 0.3929,
0.5280


 112.2321, 0.3822,
0.4823


 33.4817, 0.3952,
0.5482


 142.5434, 0.3786,
0.4710


 22.4957, 0.3950,
0.5711


 177.8728, 0.3752,
0.4611

 14.2216, 0.3939,
0.6023

 218.6049, 0.3720,
0.4524

 8.2749, 0.3765,
0.6235

 265.1240, 0.3691,
0.4447

 4.2714, 0.3480,
0.6520

317.8146, 0.3664,

 1.8265, 0.3005,

0.4379

0.6995

377.0609, 0.3639,
0.4318

■ 0.5036, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.1268, 0.3896,
0.5105

■ 65.1268, 0.3896,
0.5105

■ 64.5043, 0.3912,
0.5212

■ 65.8606, 0.3854,
0.4953

■ 63.9657, 0.3904,
0.5276

■ 66.7092, 0.3787,
0.4759

■ 63.8925, 0.3902,
0.5284

■ 67.6862, 0.3699,
0.4532

■ 68.8009, 0.3593,
0.4283

70.0617, 0.3477,
0.4022

71.4763, 0.3355,
0.3759

73.0518, 0.3231,
0.3501

74.7947, 0.3110,
0.3256

76.7113, 0.2994,
0.3026

Harmonies

Analogous

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



65.1268, 0.4682, 0.4560



65.1268, 0.3896, 0.5105



65.1268, 0.2969, 0.5054

Triad

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



65.1268, 0.3896, 0.5105



65.1268, 0.1474, 0.2242



65.1268, 0.4066, 0.2563

Complementary

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



65.1268, 0.3896, 0.5105



9.0691, 0.1793, 0.0926

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.



65.1268, 0.3016, 0.2096



65.1268, 0.3896, 0.5105



65.1268, 0.1655, 0.1885

Square

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



65.1268, 0.3896, 0.5105



65.1268, 0.1618, 0.3023



65.1268, 0.2164, 0.1856



65.1268, 0.4890, 0.3177

Rectangle

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



65.1268, 0.3896, 0.5105



65.1268, 0.2385, 0.4531



65.1268, 0.2164, 0.1856



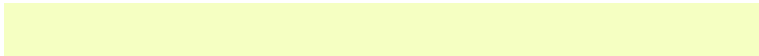
65.1268, 0.3715, 0.2386

Sweetspot

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



65.1298, 0.3896, 0.5105



94.8066, 0.3424, 0.3905



21.0088, 0.5641, 0.3512



20.1506, 0.3467, 0.4000



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.



65.1298, 0.3896, 0.5105



86.0895, 0.3909, 0.5255



56.8103, 0.3279, 0.5550



15.9095, 0.3242, 0.3523



37.2350, 0.3907, 0.5280



2.6117, 0.3953, 0.5243

Inverse Universe

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



9.0691, 0.1793, 0.0926



8.3747, 0.1604, 0.0679



15.2164, 0.2529, 0.1305



13.3510, 0.3006, 0.3049



3.3930, 0.1573, 0.0640



0.2686, 0.1703, 0.0712

Previews

White Background



This preview shows how the Yxy color 65.1268, 0.3896, 0.5105 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 65.1268, 0.3896, 0.5105 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 65.1268, 0.3896, 0.5105

Background



This preview shows how black text looks on a background with the Yxy color 65.1268, 0.3896, 0.5105.



This preview shows how white text looks on a background with the Yxy color 65.1268, 0.3896, 0.5105.

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

65.1268, 0.3896, 0.5105

Protanopia

64.7825, 0.4336, 0.4786

Deuteranopia

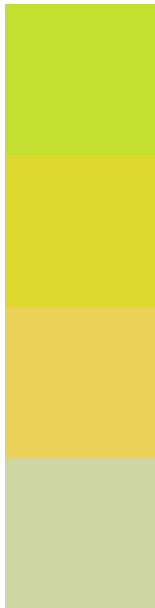
64.6268, 0.4243, 0.4208



Tritanopia

65.0342, 0.3040, 0.3111

Trichromacy



Original Color

65.1268, 0.3896, 0.5105

Protanomaly

64.8386, 0.4173, 0.4904

Deuteranomaly

64.1049, 0.4146, 0.4553

Tritanomaly

63.7882, 0.3436, 0.3918

Monochromacy



Original Color

65.1268, 0.3896, 0.5105

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

57.6977, 0.3501, 0.4084

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.1268, 0.3896, 0.5105 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(195, 224, 48)` looks like.

```
.text, #text, p{  
    color:rgb(195, 224, 48)  
}
```

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(195, 224, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 224, 48) }
```

Border

The CSS property to change the border of an element to Yxy 65.1268, 0.3896, 0.5105 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(195, 224, 48) }
```

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

```
.border{ border-color:rgb(195, 224, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 224, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 224, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 224, 48);  
box-shadow:4px 4px 4px 4px rgb(195, 224,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 65.1268, 0.3896, 0.5105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 224, 48) }
```

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

```
.background{ background-color: rgb(195,  
224, 48) }
```

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