

Converting Colors

$Y_{xy}(65.8399, 0.3779, 0.5179)$

Have a look what the booklet for
Yxy(65.8399, 0.3779, 0.5179)
contains.

Yxy(65.9074, 0.3780, 0.5181)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(65.9074, 0.3780, 0.5181)

Conversions

Conversions Part 1

Format	Color
Hex	B8E432
RGB	184, 228, 50
RGB Percent	72%, 89%, 20%
CMY	0.2785, 0.1059, 0.8035
CMYK	0.19, 0.00, 0.78, 0.11
HSL	75°, 77%, 55%
HSV	75°, 78%, 89%
XYZ	48.0853, 65.9074, 13.2171
YIQ	194.5520, 30.9140, -64.6860

Conversions

Conversions Part 2

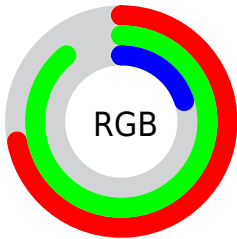
Format	Color
RYB	50, 228, 94
Decimal	12117042
CIELab	84.95, -36.72, 75.02
CIELCh	85, 83.526, 116.078
Yxy	65.9074, 0.3780, 0.5181
Android (android.graphics.Color)	4290307122 (0xFFB8E432)
YUV	194.5520, -71.2641, -9.2541
Hunter-Lab	81.1834, -36.3445, 47.1756

Details

The Yxy color **65.9074, 0.3780, 0.5181** is a light color, and the websafe version is hex **99CC00**. The color can be described as light washed chartreuse. A complement of this color would be **10.2803, 0.1895, 0.0985**, and the grayscale version is **54.7181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.9008, 0.3862, 0.4674**, and **33.9407, 0.3730, 0.5420** is the 20% darker color. If you saturate the color by 10%, you get **65.0767, 0.3782, 0.5307**, and if you desaturate by 10%, it is **66.8698, 0.3751, 0.5008**.

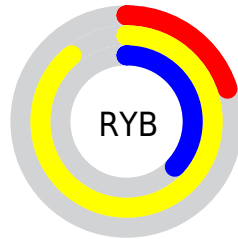
Distribution



Red (72%)

Green (89%)

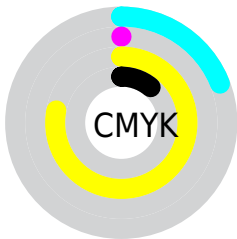
Blue (20%)



Red (20%)

Yellow (89%)

Blue (37%)

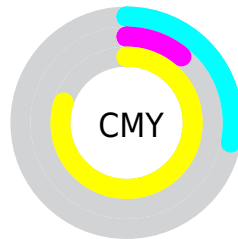


Cyan (19%)

Magenta (0%)

Yellow (78%)

Black (11%)



Cyan (28%)

Magenta (11%)

Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.9074, 0.3780, 0.5181 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 65.9074, 0.3780, 0.5181 by changing the saturation by 10% instead.


 65.9074, 0.3780,
0.5181


 65.9074, 0.3780,
0.5181


446.0456, 0.3557,
0.4292


 48.1972, 0.3800,
0.5370

 113.3534, 0.3726,
0.4880


 33.9831, 0.3807,
0.5591


 143.8581, 0.3697,
0.4760


 22.8806, 0.3786,
0.5846

 179.3963, 0.3670,
0.4655

 14.5054, 0.3742,
0.6184

 220.3526, 0.3644,
0.4564

 8.4730, 0.3544,
0.6456

 267.1113, 0.3620,
0.4484

 4.3991, 0.3207,
0.6793

320.0567, 0.3598,

 1.8992, 0.2627,

0.4412

0.7373

379.5734, 0.3577,
0.4349

0.5479, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

65.9074, 0.3780,
0.5181

65.9074, 0.3780,
0.5181

65.0767, 0.3782,
0.5307

66.8698, 0.3751,
0.5008


64.3505, 0.3761,
0.5386

67.9681, 0.3698,
0.4795


64.2140, 0.3756,
0.5400


69.2164, 0.3624,
0.4551

70.6247, 0.3533,
0.4288

 72.2018, 0.3431,
0.4017

 73.9560, 0.3323,
0.3748

 75.8948, 0.3214,
0.3488

 78.0253, 0.3106,
0.3243

 80.3334, 0.3004,
0.3018

Harmonies

Analogous

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



65.9074, 0.4613, 0.4667



65.9074, 0.3780, 0.5181



65.9074, 0.2835, 0.5020

Triad

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



65.9074, 0.3780, 0.5181



65.9074, 0.1454, 0.2149



65.9074, 0.4223, 0.2626

Complementary

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



65.9074, 0.3780, 0.5181



10.2803, 0.1895, 0.0985

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.



65.9074, 0.3151, 0.2128



65.9074, 0.3780, 0.5181



65.9074, 0.1681, 0.1840

Square

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



65.9074, 0.3780, 0.5181



65.9074, 0.1552, 0.2880



65.9074, 0.2243, 0.1851



65.9074, 0.4995, 0.3261

Rectangle

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



65.9074, 0.3780, 0.5181



65.9074, 0.2260, 0.4414



65.9074, 0.2243, 0.1851



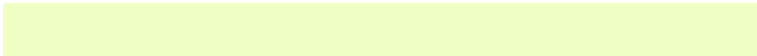
65.9074, 0.3872, 0.2440

Sweetspot

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



65.9104, 0.3780, 0.5181



94.1318, 0.3379, 0.3885



24.3160, 0.5470, 0.3657



19.9757, 0.3418, 0.3983



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.



65.9104, 0.3780, 0.5181



83.2482, 0.3771, 0.5363



58.2941, 0.3199, 0.5598



16.6282, 0.3230, 0.3525



37.1352, 0.3763, 0.5394



2.7870, 0.3828, 0.5342

Inverse Universe

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



10.2803, 0.1895, 0.0985



9.0508, 0.1683, 0.0722



17.6650, 0.2690, 0.1393



14.0586, 0.3019, 0.3050



3.7738, 0.1644, 0.0680



0.3217, 0.1790, 0.0760

Previews

White Background



This preview shows how the Yxy color 65.9074, 0.3780, 0.5181 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 65.9074, 0.3780, 0.5181 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 65.9074, 0.3780, 0.5181

Background



This preview shows how black text looks on a background with the Yxy color 65.9074, 0.3780, 0.5181.



This preview shows how white text looks on a background with the Yxy color 65.9074, 0.3780, 0.5181.

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

65.9074, 0.3780, 0.5181

Protanopia

65.4614, 0.4333, 0.4783

Deuteranopia

65.2328, 0.4198, 0.4165



Tritanopia

65.3007, 0.2943, 0.3098

Trichromacy



Original Color

65.9074, 0.3780, 0.5181

Protanomaly

65.2535, 0.4124, 0.4937

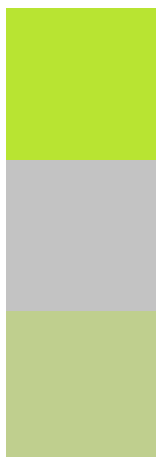
Deuteranomaly

64.5177, 0.4074, 0.4549

Tritanomaly

64.4252, 0.3322, 0.3943

Monochromacy



Original Color

65.9074, 0.3780, 0.5181

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

57.6550, 0.3465, 0.4104

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.9074, 0.3780, 0.5181 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(184, 228, 50)` looks like.

```
.text, #text, p{  
    color:rgb(184, 228, 50)  
}
```

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(184, 228, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 228, 50) }
```

Border

The CSS property to change the border of an element to Yxy 65.9074, 0.3780, 0.5181 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(184, 228, 50) }
```

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

```
.border{ border-color:rgb(184, 228, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 228, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 228, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 228, 50);  
box-shadow:4px 4px 4px 4px rgb(184, 228,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 65.9074, 0.3780, 0.5181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 228, 50) }
```

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

```
.background{ background-color: rgb(184,  
228, 50) }
```

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