

Converting Colors

$Y_{xy}(59.0290, 0.3987, 0.5216)$

Have a look what the booklet for
Yxy(59.0290, 0.3987, 0.5216)
contains.

Yxy(58.9120, 0.3987, 0.5216)	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(58.9120, 0.3987, 0.5216)

Conversions

Conversions Part 1

Format	Color
Hex	BDD600
RGB	189, 214, 0
RGB Percent	74%, 84%, 0%
CMY	0.2589, 0.1608, 0.9994
CMYK	0.12, 0.00, 1.00, 0.16
HSL	67°, 100%, 42%
HSV	67°, 100%, 84%
XYZ	45.0311, 58.9120, 9.0017
YIQ	182.1290, 53.7940, -71.8540

Conversions

Conversions Part 2

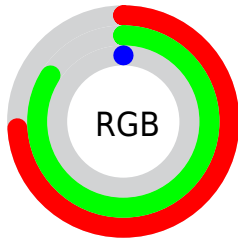
Format	Color
RYB	0, 214, 25
Decimal	12441088
CIELab	81.24, -29.36, 80.53
CIElCh	81, 85.720, 110.033
Yxy	58.9120, 0.3987, 0.5216
Android (android.graphics.Color)	4290631168 (0xFFBDD600)
YUV	182.1290, -89.7896, 6.0259
Hunter-Lab	76.7542, -29.5952, 46.7744

Details

The Yxy color **58.9120, 0.3987, 0.5216** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed chartreuse. A complement of this color would be **5.0681, 0.1538, 0.0621**, and the grayscale version is **47.3409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.3316, 0.3997, 0.4823**, and **29.6216, 0.3889, 0.5294** is the 20% darker color. If you saturate the color by 10%, you get **58.9119, 0.3987, 0.5216**, and if you desaturate by 10%, it is **59.2936, 0.3987, 0.5162**.

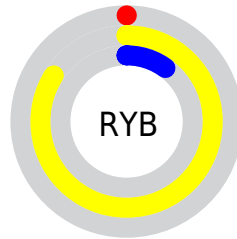
Distribution



Red (74%)

Green (84%)

Blue (0%)



Red (0%)

Yellow (84%)

Blue (10%)

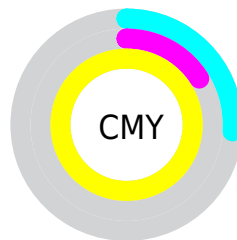


Cyan (12%)

Magenta (0%)

Yellow (100%)

Black (16%)



Cyan (26%)


Magenta (16%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.9120, 0.3987, 0.5216 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 58.9120, 0.3987, 0.5216 by changing the saturation by 10% instead.


 58.9120, 0.3987,
0.5216


 58.9120, 0.3987,
0.5216


420.5757, 0.3680,
0.4328


 42.5423, 0.4017,
0.5394


 103.2498, 0.3910,
0.4923


 29.5261, 0.4030,
0.5594


 131.9866, 0.3871,
0.4803


 19.4792, 0.4016,
0.5821


 165.6146, 0.3833,
0.4698

 12.0170, 0.3939,
0.6061

 204.5181, 0.3798,
0.4606

 6.7553, 0.3733,
0.6267

 249.0816, 0.3765,
0.4524

 3.3095, 0.3414,
0.6586

 299.6894, 0.3734,

 1.2954, 0.2647,

0.4451

0.7353

356.7260, 0.3706,
0.4386

■ 0.1376, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.9120, 0.3987,
0.5216

■ 58.9120, 0.3987,
0.5216

■ 58.9119, 0.3987,
0.5216

■ 59.2936, 0.3987,
0.5162

■ 59.7400, 0.3966,
0.5070

■ 60.2744, 0.3919,
0.4934

■ 60.9079, 0.3847,
0.4755

■ 61.6502, 0.3752,
0.4541

■ 62.5097, 0.3640,
0.4302

■ 63.4939, 0.3516,
0.4049

■ 64.6098, 0.3386,
0.3790

■ 65.8636, 0.3255,
0.3534

Harmonies

Analogous

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



58.9120, 0.4821, 0.4570



58.9120, 0.3987, 0.5216



58.9120, 0.3000, 0.5264

Triad

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



58.9120, 0.3987, 0.5216



58.9120, 0.1366, 0.2194



58.9120, 0.4067, 0.2468

Complementary

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



58.9120, 0.3987, 0.5216



5.0681, 0.1538, 0.0621

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.



58.9120, 0.2928, 0.1991



58.9120, 0.3987, 0.5216



58.9120, 0.1536, 0.1800

Square

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



58.9120, 0.3987, 0.5216



58.9120, 0.1533, 0.3060



58.9120, 0.2044, 0.1755



58.9120, 0.4999, 0.3104

Rectangle

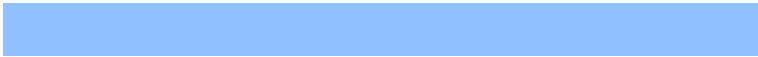
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.9120, 0.3987, 0.5216



58.9120, 0.2371, 0.4732



58.9120, 0.2044, 0.1755



58.9120, 0.3681, 0.2286

Sweetspot

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



58.9147, 0.3987, 0.5216



94.3561, 0.3521, 0.4058



14.9978, 0.6311, 0.3370



20.0584, 0.3575, 0.4167



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.



58.9147, 0.3987, 0.5216



87.5537, 0.3985, 0.5218



49.8976, 0.3217, 0.5828



14.4428, 0.3249, 0.3522



35.6350, 0.3990, 0.5214



2.1707, 0.4027, 0.5184

Inverse Universe

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



5.0681, 0.1538, 0.0621



7.4936, 0.1534, 0.0619



9.7673, 0.2261, 0.1020



12.0776, 0.2999, 0.3050



3.0832, 0.1545, 0.0625



0.2097, 0.1660, 0.0688

Previews

White Background



This preview shows how the Yxy color 58.9120, 0.3987, 0.5216 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 58.9120, 0.3987, 0.5216 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 58.9120, 0.3987, 0.5216

Background



This preview shows how black text looks on a background with the Yxy color 58.9120, 0.3987, 0.5216.



This preview shows how white text looks on a background with the Yxy color 58.9120, 0.3987, 0.5216.

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

58.9120, 0.3987, 0.5216

Protanopia

58.5720, 0.4404, 0.4885

Deuteranopia

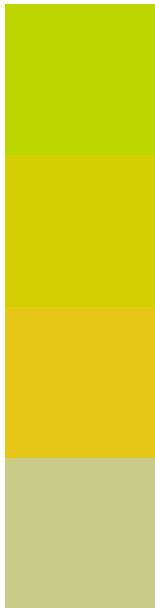
58.4598, 0.4671, 0.4564



Tritanopia

58.7323, 0.3059, 0.3105

Trichromacy



Original Color

58.9120, 0.3987, 0.5216

Protanomaly

58.2887, 0.4252, 0.5006

Deuteranomaly

57.7317, 0.4431, 0.4807

Tritanomaly

57.1340, 0.3576, 0.4114

Monochromacy



Original Color

58.9120, 0.3987, 0.5216

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

50.1588, 0.3641, 0.4303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.9120, 0.3987, 0.5216 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(189, 214, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 214, 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(189, 214, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 214, 0) }
```

Border

The CSS property to change the border of an element to Yxy 58.9120, 0.3987, 0.5216 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(189, 214, 0) }
```

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

```
.border{ border-color:rgb(189, 214, 0) }
```

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

Here you see how a box with a 4 pixel rgb(189, 214, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 214, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 214, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 214,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 58.9120, 0.3987, 0.5216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 214, 0) }
```

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

```
.background{ background-color: rgb(189,  
214, 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](#).

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