

Converting Colors

$Y_{xy}(57.7996, 0.4009, 0.5199)$

Have a look what the booklet for
Yxy(57.7996, 0.4009, 0.5199)
contains.

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Color

Yxy(58.0341, 0.4010, 0.5198)

Conversions

Conversions Part 1

Format	Color
Hex	BED400
RGB	190, 212, 0
RGB Percent	75%, 83%, 0%
CMY	0.2551, 0.1686, 0.9998
CMYK	0.10, 0.00, 1.00, 0.17
HSL	66°, 100%, 42%
HSV	66°, 100%, 83%
XYZ	44.7704, 58.0341, 8.8424
YIQ	181.2540, 54.9400, -70.5960

Conversions

Conversions Part 2

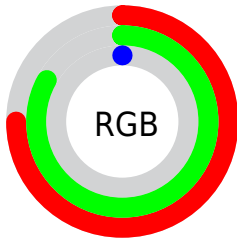
Format	Color
RYB	0, 212, 22
Decimal	12506112
CIELab	80.76, -28.03, 80.21
CIELCh	81, 84.969, 109.258
Yxy	58.0341, 0.4010, 0.5198
Android (android.graphics.Color)	4290696192 (0xFFBED400)
YUV	181.2540, -89.3582, 7.6702
Hunter-Lab	76.1801, -28.4122, 46.4441

Details

The Yxy color **58.0341, 0.4010, 0.5198** 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 **4.9269, 0.1532, 0.0618**, and the grayscale version is **46.8246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5159, 0.4004, 0.4819**, and **29.3593, 0.3909, 0.5278** is the 20% darker color. If you saturate the color by 10%, you get **58.0361, 0.4010, 0.5198**, and if you desaturate by 10%, it is **58.3779, 0.4008, 0.5146**.

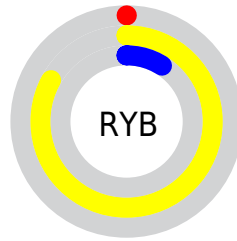
Distribution



Red (75%)

Green (83%)

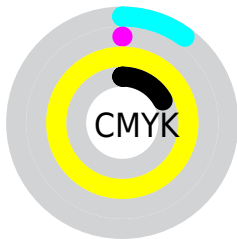
Blue (0%)



Red (0%)

Yellow (83%)

Blue (9%)

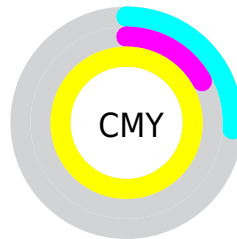


Cyan (10%)

Magenta (0%)

Yellow (100%)

Black (17%)



Cyan (26%)


Magenta (17%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.0341, 0.4010, 0.5198 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 58.0341, 0.4010, 0.5198 by changing the saturation by 10% instead.


 58.0341, 0.4010,
0.5198

 58.0341, 0.4010,
0.5198


417.3130, 0.3691,
0.4319


 41.8361, 0.4043,
0.5373


 101.9725, 0.3928,
0.4908


 28.9729, 0.4059,
0.5570

 130.4817, 0.3887,
0.4790

 19.0604, 0.4050,
0.5795


 163.8634, 0.3848,
0.4686

 11.7139, 0.3975,
0.6025

 202.5019, 0.3812,
0.4594

 6.5492, 0.3775,
0.6225

 246.7818, 0.3778,
0.4513

 3.1818, 0.3464,
0.6536

 297.0873, 0.3746,

 1.2274, 0.2673,

0.4441

0.7327

353.8029, 0.3717,
0.4377

■ 0.0839, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.0341, 0.4010,
0.5198

■ 58.0341, 0.4010,
0.5198

■ 58.0361, 0.4010,
0.5198

■ 58.3779, 0.4008,
0.5146

■ 58.7838, 0.3985,
0.5057

■ 59.2745, 0.3935,
0.4923

■ 59.8610, 0.3860,
0.4748

■ 60.5528, 0.3764,
0.4537

■ 61.3580, 0.3649,
0.4300

■ 62.2841, 0.3524,
0.4048

■ 63.3377, 0.3391,
0.3790

■ 64.5250, 0.3258,
0.3535

Harmonies

Analogous

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



58.0341, 0.4834, 0.4548



58.0341, 0.4010, 0.5198



58.0341, 0.3027, 0.5267

Triad

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



58.0341, 0.4010, 0.5198



58.0341, 0.1371, 0.2213



58.0341, 0.4035, 0.2456

Complementary

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



58.0341, 0.4010, 0.5198



4.9269, 0.1532, 0.0618

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.



58.0341, 0.2902, 0.1985



58.0341, 0.4010, 0.5198



58.0341, 0.1532, 0.1810

Square

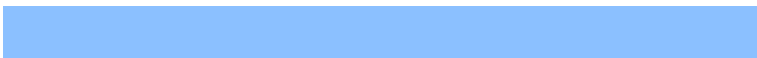
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



58.0341, 0.4010, 0.5198



58.0341, 0.1548, 0.3091



58.0341, 0.2030, 0.1757



58.0341, 0.4975, 0.3088

Rectangle

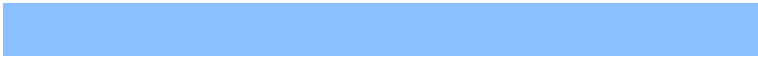
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.0341, 0.4010, 0.5198



58.0341, 0.2396, 0.4754



58.0341, 0.2030, 0.1757



58.0341, 0.3650, 0.2276

Sweetspot

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



58.0368, 0.4010, 0.5198



94.5355, 0.3528, 0.4056



14.5447, 0.6329, 0.3356



20.1019, 0.3582, 0.4165



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.



58.0368, 0.4010, 0.5198



88.0893, 0.4008, 0.5200



49.0189, 0.3235, 0.5813



14.4513, 0.3251, 0.3521



35.8481, 0.4013, 0.5196



2.1815, 0.4046, 0.5170

Inverse Universe

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



4.9269, 0.1532, 0.0618



7.4468, 0.1528, 0.0615



9.2846, 0.2224, 0.0999



12.0699, 0.2997, 0.3050



3.0611, 0.1538, 0.0621



0.2061, 0.1643, 0.0678

Previews

White Background



This preview shows how the Yxy color 58.0341, 0.4010, 0.5198 looks on a white background.

Color Contrast Check

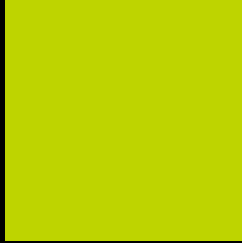
Large Text (above 18pt) WCAG AA × Fail

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 58.0341, 0.4010, 0.5198 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 58.0341, 0.4010, 0.5198

Background



This preview shows how black text looks on a background with the Yxy color 58.0341, 0.4010, 0.5198.



This preview shows how white text looks on a background with the Yxy color 58.0341, 0.4010, 0.5198.

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

58.0341, 0.4010, 0.5198

Protanopia

57.9420, 0.4405, 0.4885

Deuteranopia

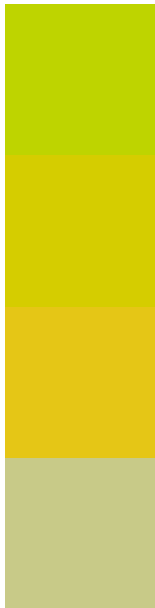
57.6437, 0.4667, 0.4571



Tritanopia

57.8584, 0.3081, 0.3104

Trichromacy



Original Color

58.0341, 0.4010, 0.5198

Protanomaly

57.8088, 0.4261, 0.4999

Deuteranomaly

57.1041, 0.4433, 0.4808

Tritanomaly

56.2980, 0.3598, 0.4102

Monochromacy



Original Color

58.0341, 0.4010, 0.5198

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

49.1274, 0.3648, 0.4297

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.0341, 0.4010, 0.5198 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(190, 212, 0)` looks like.

```
.text, #text, p{  
    color:rgb(190, 212, 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(190, 212, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 212, 0) }
```

Border

The CSS property to change the border of an element to Yxy 58.0341, 0.4010, 0.5198 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(190, 212, 0) }
```

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

```
.border{ border-color:rgb(190, 212, 0) }
```

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

Here you see how a box with a 4 pixel rgb(190, 212, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 212, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 212, 0);  
box-shadow:4px 4px 4px 4px rgb(190, 212,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 58.0341, 0.4010, 0.5198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 212, 0) }
```

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

```
.background{ background-color: rgb(190,  
212, 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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