

Converting Colors

$Y_{xy}(58.4350, 0.4035, 0.5060)$

Have a look what the booklet for
Yxy(58.4350, 0.4035, 0.5060)
contains.

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Color

Yxy(58.5802, 0.4032, 0.5066)

Conversions

Conversions Part 1

Format	Color
Hex	C5D323
RGB	197, 211, 35
RGB Percent	77%, 83%, 14%
CMY	0.2274, 0.1725, 0.8632
CMYK	0.07, 0.00, 0.83, 0.17
HSL	65°, 72%, 48%
HSV	65°, 83%, 83%
XYZ	46.6236, 58.5802, 10.4302
YIQ	186.7500, 48.1520, -57.7040

Conversions

Conversions Part 2

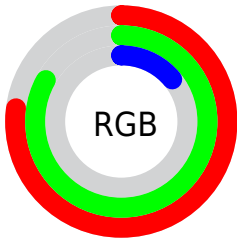
Format	Color
RYB	35, 211, 49
Decimal	12964643
CIELab	81.06, -24.03, 75.83
CIELCh	81, 79.552, 107.585
Yxy	58.5802, 0.4032, 0.5066
Android (android.graphics.Color)	4291154723 (0xFFC5D323)
YUV	186.7500, -74.8127, 8.9893
Hunter-Lab	76.5377, -25.2061, 45.4966

Details

The Yxy color **58.5802, 0.4032, 0.5066** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **6.5488, 0.1654, 0.0795**, and the grayscale version is **49.9502, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6809, 0.3990, 0.4716**, and **29.6029, 0.3996, 0.5210** is the 20% darker color. If you saturate the color by 10%, you get **58.2682, 0.4051, 0.5135**, and if you desaturate by 10%, it is **58.9753, 0.3987, 0.4953**.

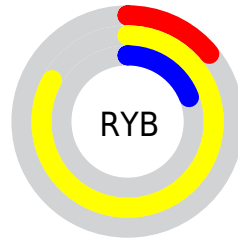
Distribution



Red (77%)

Green (83%)

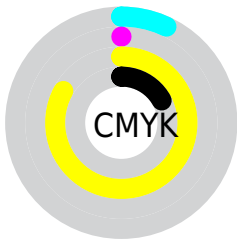
Blue (14%)



Red (14%)

Yellow (83%)

Blue (19%)

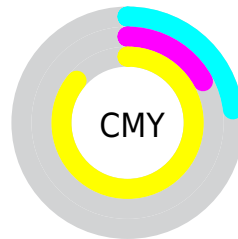


Cyan (7%)

Magenta (0%)

Yellow (83%)

Black (17%)



Cyan (23%)


Magenta (17%)

Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.5802, 0.4032, 0.5066 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 58.5802, 0.4032, 0.5066 by changing the saturation by 10% instead.


 58.5802, 0.4032,
0.5066

 58.5802, 0.4032,
0.5066

419.3444, 0.3685,
0.4246


 42.2753, 0.4078,
0.5232


 102.7673, 0.3936,
0.4794


 29.3169, 0.4113,
0.5421


 131.4182, 0.3891,
0.4684

 19.3207, 0.4123,
0.5628


 164.9533, 0.3849,
0.4587

 11.9022, 0.4111,
0.5889

 203.7569, 0.3810,
0.4502

 6.6771, 0.3943,
0.6057

 248.2134, 0.3775,
0.4427

 3.2610, 0.3682,
0.6318

 298.7072, 0.3742,

 1.2695, 0.3125,

0.4360

0.6875

355.6228, 0.3713,
0.4300

■ 0.1174, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.5802, 0.4032,
0.5066

■ 58.5802, 0.4032,
0.5066

■ 58.2682, 0.4051,
0.5135

■ 58.9753, 0.3987,
0.4953

■ 58.0913, 0.4054,
0.5163

■ 59.4571, 0.3917,
0.4796

■ 60.0382, 0.3823,
0.4601

■ 60.7269, 0.3709,
0.4377

■ 61.5309, 0.3582,
0.4132

■ 62.4568, 0.3448,
0.3878

■ 63.5111, 0.3310,
0.3623

■ 64.6995, 0.3173,
0.3374

■ 66.0277, 0.3042,
0.3136

Harmonies

Analogous

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



58.5802, 0.4787, 0.4466



58.5802, 0.4032, 0.5066



58.5802, 0.3104, 0.5141

Triad

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



58.5802, 0.4032, 0.5066



58.5802, 0.1459, 0.2318



58.5802, 0.3920, 0.2474

Complementary

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



58.5802, 0.4032, 0.5066



6.5488, 0.1654, 0.0795

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.



58.5802, 0.2866, 0.2034



58.5802, 0.4032, 0.5066



58.5802, 0.1595, 0.1902

Square

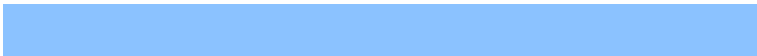
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



58.5802, 0.4032, 0.5066



58.5802, 0.1656, 0.3174



58.5802, 0.2056, 0.1830



58.5802, 0.4820, 0.3076

Rectangle

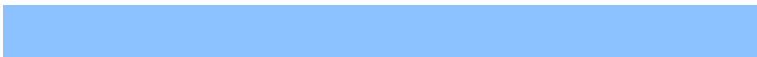
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.5802, 0.4032, 0.5066



58.5802, 0.2499, 0.4695



58.5802, 0.2056, 0.1830



58.5802, 0.3560, 0.2304

Sweetspot

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



58.5829, 0.4032, 0.5066



95.6043, 0.3472, 0.3924



15.9735, 0.5953, 0.3376



20.3531, 0.3520, 0.4015



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.



58.5829, 0.4032, 0.5066



89.1368, 0.4052, 0.5165



50.1043, 0.3355, 0.5571



13.7478, 0.3254, 0.3521



35.0772, 0.4056, 0.5162



1.9758, 0.4082, 0.5140

Inverse Universe

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



6.5488, 0.1654, 0.0795



7.3715, 0.1519, 0.0610



11.0236, 0.2325, 0.1149



11.4619, 0.2994, 0.3050



2.9268, 0.1528, 0.0615



0.1796, 0.1615, 0.0663

Previews

White Background



This preview shows how the Yxy color 58.5802, 0.4032, 0.5066 looks on a white background.

Color Contrast Check

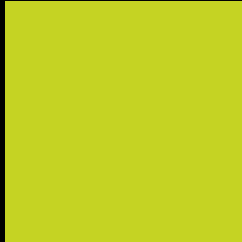
Large Text (above 18pt) WCAG AA × Fail

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 58.5802, 0.4032, 0.5066 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 58.5802, 0.4032, 0.5066

Background



This preview shows how black text looks on a background with the Yxy color 58.5802, 0.4032, 0.5066.



This preview shows how white text looks on a background with the Yxy color 58.5802, 0.4032, 0.5066.

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

58.5802, 0.4032, 0.5066

Protanopia

58.0463, 0.4363, 0.4823

Deuteranopia

58.3495, 0.4631, 0.4530



Tritanopia

58.2304, 0.3136, 0.3107

Trichromacy



Original Color

58.5802, 0.4032, 0.5066

Protanomaly

58.2195, 0.4235, 0.4918

Deuteranomaly

57.8862, 0.4419, 0.4717

Tritanomaly

57.1768, 0.3573, 0.3931

Monochromacy



Original Color

58.5802, 0.4032, 0.5066

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

52.2222, 0.3570, 0.4108

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.5802, 0.4032, 0.5066 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(197, 211, 35)` looks like.

```
.text, #text, p{  
    color:rgb(197, 211, 35)  
}
```

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(197, 211, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 211, 35) }
```

Border

The CSS property to change the border of an element to Yxy 58.5802, 0.4032, 0.5066 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(197, 211, 35) }
```

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

```
.border{ border-color:rgb(197, 211, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 211, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 211, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 211, 35);  
box-shadow:4px 4px 4px 4px rgb(197, 211,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 58.5802, 0.4032, 0.5066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 211, 35) }
```

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

```
.background{ background-color: rgb(197,  
211, 35) }
```

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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