

Converting Colors

$Yxy(58.1301, 0.4103, 0.4903)$

Have a look what the booklet for
Yxy(58.1301, 0.4103, 0.4903)
contains.

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Color

Yxy(58.1301, 0.4103, 0.4903)

Conversions

Conversions Part 1

Format	Color
Hex	CFCF33
RGB	207, 207, 51
RGB Percent	81%, 81%, 20%
CMY	0.1882, 0.1882, 0.8001
CMYK	0.00, 0.00, 0.75, 0.19
HSL	60°, 62%, 51%
HSV	60°, 75%, 81%
XYZ	48.6453, 58.1301, 11.7849
YIQ	189.2160, 50.0760, -48.5160

Conversions

Conversions Part 2

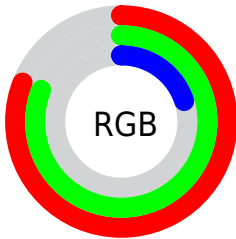
Format	Color
RYB	51, 207, 51
Decimal	13618995
CIELab	80.81, -17.34, 71.60
CIELCh	81, 73.673, 103.614
Yxy	58.1301, 0.4103, 0.4903
Android (android.graphics.Color)	4291809075 (0xFFCFCF33)
YUV	189.2160, -68.1405, 15.5966
Hunter-Lab	76.2431, -19.5373, 44.2057

Details

The Yxy color **58.1301, 0.4103, 0.4903** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **7.5758, 0.1702, 0.0933**, and the grayscale version is **51.3967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9058, 0.3944, 0.4640**, and **29.1720, 0.4149, 0.5088** is the 20% darker color. If you saturate the color by 10%, you get **57.9883, 0.4157, 0.4992**, and if you desaturate by 10%, it is **58.3586, 0.4023, 0.4771**.

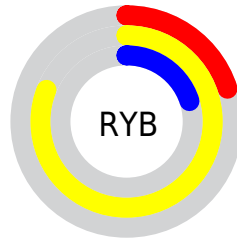
Distribution



Red (81%)

Green (81%)

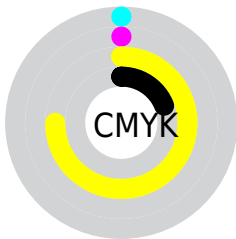
Blue (20%)



Red (20%)

Yellow (81%)

Blue (20%)

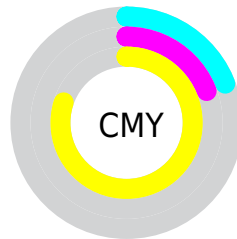


Cyan (0%)

Magenta (0%)

Yellow (75%)

Black (19%)



Cyan (19%)

Magenta (19%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.1301, 0.4103, 0.4903 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 58.1301, 0.4103, 0.4903 by changing the saturation by 10% instead.

■ 58.1301, 0.4103,
0.4903

■ 58.1301, 0.4103,
0.4903

417.6705, 0.3706,
0.4162

■ 41.9132, 0.4166,
0.5053

■ 102.1123, 0.3985,
0.4658

■ 29.0334, 0.4225,
0.5224

■ 130.6464, 0.3933,
0.4558

■ 19.1061, 0.4269,
0.5412

■ 164.0551, 0.3885,
0.4471

■ 11.7469, 0.4326,
0.5674

■ 202.7227, 0.3842,
0.4394

■ 6.5716, 0.4206,
0.5794

■ 247.0337, 0.3803,
0.4326

■ 3.1957, 0.4018,
0.5982

297.3724, 0.3768,

■ 1.2347, 0.3665,

0.4265

0.6335

354.1232, 0.3735,
0.4211

■ 0.0898, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.1301, 0.4103,
0.4903

■ 58.1301, 0.4103,
0.4903

■ 57.9883, 0.4157,
0.4992

■ 58.3586, 0.4023,
0.4771

■ 57.9132, 0.4185,
0.5039

■ 58.6751, 0.3919,
0.4599

■ 57.8918, 0.4193,
0.5052

■ 59.0907, 0.3795,
0.4394

■ 59.6127, 0.3656,
0.4164

■ 60.2477, 0.3507,
0.3919

■ 61.0017, 0.3356,
0.3668

■ 61.8805, 0.3206,
0.3420

■ 62.8894, 0.3061,
0.3181

■ 64.0333, 0.2924,
0.2954

Harmonies

Analogous

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



58.1301, 0.4764, 0.4332



58.1301, 0.4103, 0.4903



58.1301, 0.3240, 0.5033

Triad

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



58.1301, 0.4103, 0.4903



58.1301, 0.1558, 0.2471



58.1301, 0.3736, 0.2458

Complementary

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



58.1301, 0.4103, 0.4903



7.5758, 0.1702, 0.0933

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.



58.1301, 0.2770, 0.2065



58.1301, 0.4103, 0.4903



58.1301, 0.1645, 0.2018

Square

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



58.1301, 0.4103, 0.4903



58.1301, 0.1798, 0.3328



58.1301, 0.2045, 0.1904



58.1301, 0.4615, 0.3019

Rectangle

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



58.1301, 0.4103, 0.4903



58.1301, 0.2659, 0.4689



58.1301, 0.2045, 0.1904



58.1301, 0.3402, 0.2304

Sweetspot

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



58.1328, 0.4103, 0.4903



96.7782, 0.3476, 0.3866



15.8956, 0.5683, 0.3276



20.6271, 0.3531, 0.3957



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.



58.1328, 0.4103, 0.4903



92.8396, 0.4176, 0.5023



49.7449, 0.3475, 0.5341



13.7975, 0.3266, 0.3520



36.4685, 0.4193, 0.5052



2.0391, 0.4193, 0.5052

Inverse Universe

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



7.5758, 0.1702, 0.0933



8.1508, 0.1541, 0.0667



11.3371, 0.2281, 0.1225



11.4179, 0.2982, 0.3050



2.8387, 0.1500, 0.0600



0.1588, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 58.1301, 0.4103, 0.4903 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 58.1301, 0.4103, 0.4903 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 58.1301, 0.4103, 0.4903

Background



This preview shows how black text looks on a background with the Yxy color 58.1301, 0.4103, 0.4903.



This preview shows how white text looks on a background with the Yxy color 58.1301, 0.4103, 0.4903.

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

58.1301, 0.4103, 0.4903

Protanopia

58.0026, 0.4309, 0.4761

Deuteranopia

57.6416, 0.4584, 0.4481



Tritanopia

57.9096, 0.3232, 0.3121

Trichromacy



Original Color

58.1301, 0.4103, 0.4903

Protanomaly

57.8476, 0.4230, 0.4813

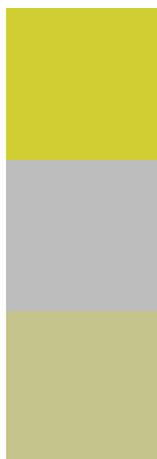
Deuteranomaly

57.4179, 0.4413, 0.4633

Tritanomaly

57.0696, 0.3627, 0.3847

Monochromacy



Original Color

58.1301, 0.4103, 0.4903

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

53.0797, 0.3561, 0.4008

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.1301, 0.4103, 0.4903 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(207, 207, 51)` looks like.

```
.text, #text, p{  
    color:rgb(207, 207, 51)  
}
```

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(207, 207, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 207, 51) }
```

Border

The CSS property to change the border of an element to Yxy 58.1301, 0.4103, 0.4903 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(207, 207, 51) }
```

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

```
.border{ border-color:rgb(207, 207, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 207, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 207, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 207, 51);  
box-shadow:4px 4px 4px 4px rgb(207, 207,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 58.1301, 0.4103, 0.4903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 207, 51) }
```

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

```
.background{ background-color: rgb(207,  
207, 51) }
```

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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