

Converting Colors

$Y_{xy}(55.7703, 0.4198, 0.5049)$

Have a look what the booklet for
Yxy(55.7703, 0.4198, 0.5049)
contains.

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Color

Yxy(55.5492, 0.4202, 0.5046)

Conversions

Conversions Part 1

Format	Color
Hex	CCCB00
RGB	204, 203, 0
RGB Percent	80%, 80%, 0%
CMY	0.2000, 0.2039, 1.0000
CMYK	0.00, 0.00, 1.00, 0.20
HSL	60°, 100%, 40%
HSV	60°, 100%, 80%
XYZ	46.2580, 55.5492, 8.2784
YIQ	180.1570, 65.7590, -62.9210

Conversions

Conversions Part 2

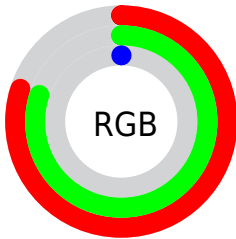
Format	Color
R_YB	1, 204, 0
Decimal	13421312
CIE Lab	79.36, -17.72, 79.68
CIE LCh	79, 81.627, 102.541
Yxy	55.5492, 0.4202, 0.5046
Android (android.graphics.Color)	4291611392 (0xFFCCCB00)
YUV	180.1570, -88.8174, 20.9103
Hunter-Lab	74.5313, -19.6436, 45.5864

Details

The Yxy color **55.5492, 0.4202, 0.5046** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **4.3816, 0.1501, 0.0603**, and the grayscale version is **46.1930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4359, 0.4042, 0.4802**, and **27.5146, 0.4147, 0.5089** is the 20% darker color. If you saturate the color by 10%, you get **55.5522, 0.4202, 0.5046**, and if you desaturate by 10%, it is **55.6514, 0.4180, 0.5012**.

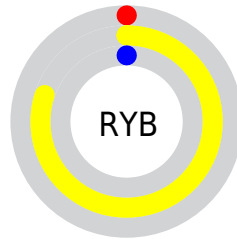
Distribution



Red (80%)

Green (80%)

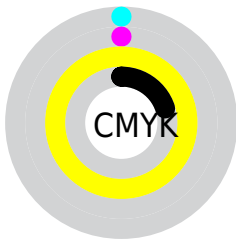
Blue (0%)



Red (0%)

Yellow (80%)

Blue (0%)

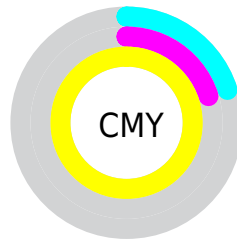


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.5492, 0.4202, 0.5046 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 55.5492, 0.4202, 0.5046 by changing the saturation by 10% instead.

■ 55.5492, 0.4202,
0.5046

■ 55.5492, 0.4202,
0.5046

407.9904, 0.3783,
0.4257

■ 39.8416, 0.4259,
0.5196

■ 98.3452, 0.4085,
0.4792

■ 27.4151, 0.4304,
0.5359

■ 126.2023, 0.4030,
0.4686

■ 17.8852, 0.4337,
0.5545

■ 158.8781, 0.3979,
0.4593

■ 10.8676, 0.4299,
0.5701

■ 196.7569, 0.3933,
0.4509

■ 5.9779, 0.4168,
0.5832

■ 240.2231, 0.3890,
0.4436

■ 2.8316, 0.3961,
0.6039

■ 289.6612, 0.3851,

■ 1.0445, 0.3457,

0.4369

0.6543

345.4555, 0.3815,
0.4310

■ 0.0000, 0.0000,
0.0000

■ 55.5492, 0.4202,
0.5046

■ 55.5492, 0.4202,
0.5046

■ 55.5522, 0.4202,
0.5046

■ 55.6514, 0.4180,
0.5012

■ 55.8054, 0.4137,
0.4943

■ 56.0331, 0.4068,
0.4831

■ 56.3444, 0.3973,
0.4677

■ 56.7480, 0.3857,
0.4487

■ 57.2512, 0.3723,
0.4268

■ 57.8607, 0.3577,
0.4029

■ 58.5825, 0.3426,
0.3782

■ 59.4225, 0.3275,
0.3533

Harmonies

Analogous

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



55.5492, 0.4939, 0.4368



55.5492, 0.4202, 0.5046



55.5492, 0.3255, 0.5279

Triad

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



55.5492, 0.4202, 0.5046



55.5492, 0.1413, 0.2389



55.5492, 0.3763, 0.2352

Complementary

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



55.5492, 0.4202, 0.5046



4.3816, 0.1501, 0.0603

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.



55.5492, 0.2687, 0.1938



55.5492, 0.4202, 0.5046



55.5492, 0.1499, 0.1896

Square

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



55.5492, 0.4202, 0.5046



55.5492, 0.1672, 0.3358



55.5492, 0.1912, 0.1772



55.5492, 0.4770, 0.2949

Rectangle

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



55.5492, 0.4202, 0.5046



55.5492, 0.2617, 0.4925



55.5492, 0.1912, 0.1772



55.5492, 0.3386, 0.2189

Sweetspot

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



55.5522, 0.4202, 0.5046



95.7755, 0.3583, 0.4039



12.8455, 0.6385, 0.3291



20.4035, 0.3646, 0.4142



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.



55.5522, 0.4202, 0.5046



91.9853, 0.4202, 0.5046



46.2156, 0.3384, 0.5695



13.0869, 0.3266, 0.3518



34.9678, 0.4202, 0.5046



1.8071, 0.4200, 0.5047

Inverse Universe

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



4.3816, 0.1501, 0.0603



7.2471, 0.1501, 0.0602



6.9901, 0.1985, 0.0867



10.8527, 0.2982, 0.3052



2.7616, 0.1501, 0.0604



0.1456, 0.1504, 0.0616

Previews

White Background



This preview shows how the Yxy color 55.5492, 0.4202, 0.5046 looks on a white background.

Color Contrast Check

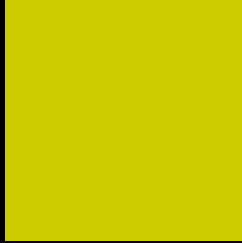
Large Text (above 18pt) WCAG AA × Fail

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 55.5492, 0.4202, 0.5046 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 55.5492, 0.4202, 0.5046

Background



This preview shows how black text looks on a background with the Yxy color 55.5492, 0.4202, 0.5046.

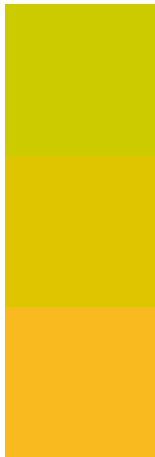


This preview shows how white text looks on a background with the Yxy color 55.5492, 0.4202, 0.5046.

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

55.5492, 0.4202, 0.5046

Protanopia

55.4621, 0.4409, 0.4881

Deuteranopia

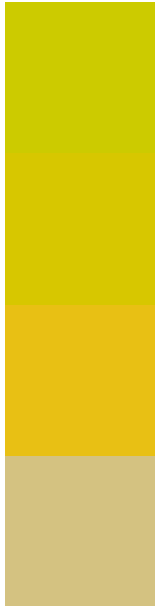
55.1732, 0.4684, 0.4573



Tritanopia

55.4587, 0.3250, 0.3129

Trichromacy



Original Color

55.5492, 0.4202, 0.5046

Protanomaly

55.2939, 0.4331, 0.4943

Deuteranomaly

54.9056, 0.4518, 0.4747

Tritanomaly

54.1656, 0.3786, 0.4068

Monochromacy



Original Color

55.5492, 0.4202, 0.5046

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

48.0231, 0.3711, 0.4236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.5492, 0.4202, 0.5046 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(204, 203, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 203, 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(204, 203, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 203, 0) }
```

Border

The CSS property to change the border of an element to Yxy 55.5492, 0.4202, 0.5046 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(204, 203, 0) }
```

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

```
.border{ border-color:rgb(204, 203, 0) }
```

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

Here you see how a box with a 4 pixel rgb(204, 203, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 203, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 203, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 203,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 55.5492, 0.4202, 0.5046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 203, 0) }
```

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

```
.background{ background-color: rgb(204,  
203, 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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