

Converting Colors

$Y_{xy}(55.2266, 0.4194, 0.4709)$

Have a look what the booklet for
Yxy(55.2266, 0.4194, 0.4709)
contains.

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Color

Yxy(55.2054, 0.4191, 0.4708)

Conversions

Conversions Part 1

Format	Color
Hex	D7C640
RGB	215, 198, 64
RGB Percent	84%, 78%, 25%
CMY	0.1569, 0.2235, 0.7492
CMYK	0.00, 0.08, 0.70, 0.16
HSL	53°, 65%, 55%
HSV	53°, 70%, 84%
XYZ	49.1431, 55.2054, 12.9102
YIQ	187.8070, 53.1460, -38.0700

Conversions

Conversions Part 2

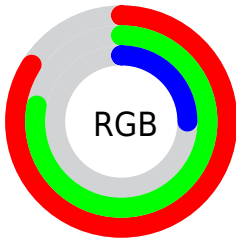
Format	Color
R _Y B	83, 215, 64
Decimal	14140992
CIE Lab	79.16, -8.86, 65.81
CIE LCh	79, 66.407, 97.669
Yxy	55.2054, 0.4191, 0.4708
Android (android.graphics.Color)	4292331072 (0xFFD7C640)
YUV	187.8070, -61.0369, 23.8483
Hunter-Lab	74.3003, -11.9636, 41.7082

Details

The Yxy color **55.2054, 0.4191, 0.4708** 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 **11.8739, 0.1826, 0.1252**, and the grayscale version is **50.5040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4755, 0.3907, 0.4565**, and **27.4189, 0.4332, 0.4943** is the 20% darker color. If you saturate the color by 10%, you get **53.9116, 0.4290, 0.4809**, and if you desaturate by 10%, it is **56.6164, 0.4067, 0.4565**.

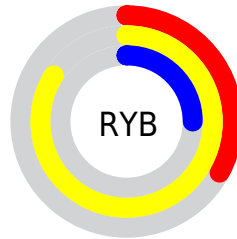
Distribution



Red (84%)

Green (78%)

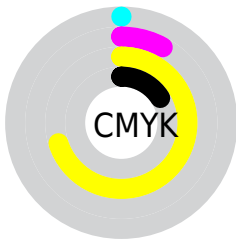
Blue (25%)



Red (33%)

Yellow (84%)

Blue (25%)

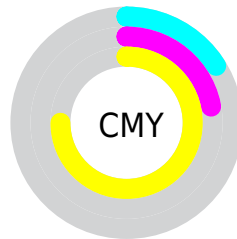


Cyan (0%)

Magenta (8%)

Yellow (70%)

Black (16%)



Cyan (16%)


Magenta (22%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.2054, 0.4191, 0.4708 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 55.2054, 0.4191, 0.4708 by changing the saturation by 10% instead.


 55.2054, 0.4191,
0.4708

 55.2054, 0.4191,
0.4708

406.6901, 0.3731,
0.4059


 39.5662, 0.4275,
0.4840


 97.8418, 0.4046,
0.4493

 27.2005, 0.4363,
0.4989

 125.6079, 0.3984,
0.4405


 17.7238, 0.4449,
0.5153


 158.1849, 0.3930,
0.4329

 10.7519, 0.4562,
0.5379

 195.9575, 0.3881,
0.4261

 5.9003, 0.4525,
0.5475

 239.3099, 0.3837,
0.4202

 2.7845, 0.4424,
0.5576

288.6265, 0.3798,

 1.0203, 0.4228,

0.4149

0.5772

344.2918, 0.3763,
0.4101

■ 0.0000, 0.0000,
0.0000

■ 55.2054, 0.4191,
0.4708

■ 55.2054, 0.4191,
0.4708

■ 53.9116, 0.4290,
0.4809

■ 56.6164, 0.4067,
0.4565

■ 52.7155, 0.4361,
0.4864

■ 58.1464, 0.3923,
0.4388

■ 51.6256, 0.4408,
0.4882

■ 59.8068, 0.3767,
0.4184

■ 61.6052, 0.3604,
0.3965

■ 63.5487, 0.3441,
0.3739

■ 65.6437, 0.3282,
0.3513

■ 67.8963, 0.3131,
0.3295

■ 70.3123, 0.2989,
0.3088

■ 72.7372, 0.2873,
0.2919

Harmonies

Analogous

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



55.2054, 0.4730, 0.4161



55.2054, 0.4191, 0.4708



55.2054, 0.3413, 0.4909

Triad

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



55.2054, 0.4191, 0.4708



55.2054, 0.1683, 0.2672



55.2054, 0.3509, 0.2429

Complementary

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



55.2054, 0.4191, 0.4708



11.8739, 0.1826, 0.1252

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.



55.2054, 0.2646, 0.2097



55.2054, 0.4191, 0.4708



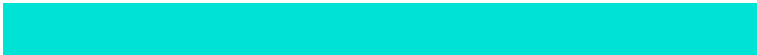
55.2054, 0.1703, 0.2168

Square

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



55.2054, 0.4191, 0.4708



55.2054, 0.1982, 0.3524



55.2054, 0.2023, 0.1997



55.2054, 0.4360, 0.2935

Rectangle

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



55.2054, 0.4191, 0.4708



55.2054, 0.2863, 0.4684



55.2054, 0.2023, 0.1997



55.2054, 0.3205, 0.2295

Sweetspot

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



55.2080, 0.4191, 0.4708



93.2340, 0.3456, 0.3760



18.7129, 0.5233, 0.3122



19.7818, 0.3502, 0.3823



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.



55.2080, 0.4191, 0.4708



78.5141, 0.4326, 0.4840



56.1493, 0.3594, 0.5155



14.2702, 0.3269, 0.3495



30.9766, 0.4404, 0.4885



1.9378, 0.4363, 0.4918

Inverse Universe

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



11.8739, 0.1826, 0.1252



11.4565, 0.1628, 0.0895



12.6967, 0.2202, 0.1265



12.2314, 0.2981, 0.3076



3.4079, 0.1524, 0.0686



0.2829, 0.1585, 0.0905

Previews

White Background



This preview shows how the Yxy color 55.2054, 0.4191, 0.4708 looks on a white background.

Color Contrast Check

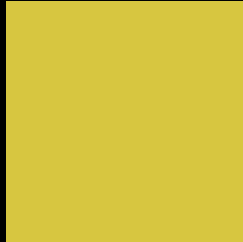
Large Text (above 18pt) WCAG AA × Fail

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 55.2054, 0.4191, 0.4708 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 55.2054, 0.4191, 0.4708

Background



This preview shows how black text looks on a background with the Yxy color 55.2054, 0.4191, 0.4708.



This preview shows how white text looks on a background with the Yxy color 55.2054, 0.4191, 0.4708.

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

55.2054, 0.4191, 0.4708

Protanopia

54.9101, 0.4241, 0.4669

Deuteranopia

54.9476, 0.4525, 0.4420



Tritanopia

54.9902, 0.3362, 0.3132

Trichromacy



Original Color

55.2054, 0.4191, 0.4708

Protanomaly

55.2081, 0.4225, 0.4683

Deuteranomaly

54.7246, 0.4405, 0.4517

Tritanomaly

54.5585, 0.3724, 0.3759

Monochromacy



Original Color

55.2054, 0.4191, 0.4708

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

51.6882, 0.3561, 0.3908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.2054, 0.4191, 0.4708 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(215, 198, 64)` looks like.

```
.text, #text, p{  
    color:rgb(215, 198, 64)  
}
```

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(215, 198, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 198, 64) }
```

Border

The CSS property to change the border of an element to Yxy 55.2054, 0.4191, 0.4708 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(215, 198, 64) }
```

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

```
.border{ border-color:rgb(215, 198, 64) }
```

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

Here you see how a box with a 4 pixel rgb(215, 198, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 198, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 198, 64);  
box-shadow:4px 4px 4px 4px rgb(215, 198,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 55.2054, 0.4191, 0.4708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 198, 64) }
```

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

```
.background{ background-color: rgb(215,  
198, 64) }
```

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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