

Converting Colors

$Y_{xy}(55.1961, 0.4514, 0.5220)$

Have a look what the booklet for
Yxy(55.1961, 0.4514, 0.5220)
contains.

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Color

Yxy(55.4458, 0.4340, 0.4936)

Conversions

Conversions Part 1

Format	Color
Hex	D8C700
RGB	216, 199, 0
RGB Percent	85%, 78%, 0%
CMY	0.1528, 0.2196, 0.9999
CMYK	0.00, 0.08, 1.00, 0.15
HSL	55°, 100%, 42%
HSV	55°, 100%, 85%
XYZ	48.7510, 55.4458, 8.1326
YIQ	181.3970, 74.0110, -58.2850

Conversions

Conversions Part 2

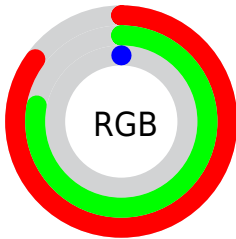
Format	Color
R _Y B	18, 216, 0
Decimal	14206720
CIE Lab	79.30, -10.53, 80.08
CIE LCh	79, 80.767, 97.489
Yxy	55.4458, 0.4340, 0.4936
Android (android.graphics.Color)	4292396800 (0xFFD8C700)
YUV	181.3970, -89.4287, 30.3468
Hunter-Lab	74.4619, -13.4427, 45.6478

Details

The Yxy color **55.4458, 0.4340, 0.4936** 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 **5.3630, 0.1512, 0.0644**, and the grayscale version is **46.9044, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4201, 0.4045, 0.4808**, and **27.6257, 0.4308, 0.4961** is the 20% darker color. If you saturate the color by 10%, you get **55.4476, 0.4340, 0.4936**, and if you desaturate by 10%, it is **56.2938, 0.4301, 0.4913**.

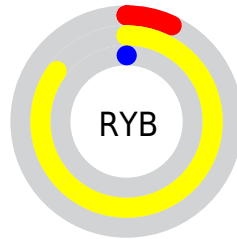
Distribution



Red (85%)

Green (78%)

Blue (0%)



Red (7%)

Yellow (85%)

Blue (0%)

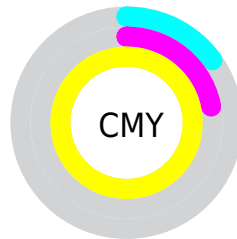


Cyan (0%)

Magenta (8%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (22%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.4458, 0.4340, 0.4936 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 55.4458, 0.4340, 0.4936 by changing the saturation by 10% instead.


 55.4458, 0.4340,
0.4936


 55.4458, 0.4340,
0.4936


407.5996, 0.3851,
0.4217

 39.7588, 0.4413,
0.5066

 98.1938, 0.4198,
0.4710


 27.3505, 0.4479,
0.5202


 126.0236, 0.4134,
0.4614


 17.8366, 0.4541,
0.5356


 158.6697, 0.4075,
0.4528

 10.8328, 0.4536,
0.5464

 196.5166, 0.4022,
0.4452

 5.9545, 0.4459,
0.5541

 239.9486, 0.3973,
0.4383

 2.8174, 0.4339,
0.5661

 289.3502, 0.3929,

 1.0372, 0.4102,

0.4322

0.5898

345.1057, 0.3888,
0.4267

■ 0.0000, 0.0000,
0.0000

■ 55.4458, 0.4340,
0.4936

■ 55.4458, 0.4340,
0.4936

■ 55.4476, 0.4340,
0.4936

■ 56.2938, 0.4301,
0.4913

■ 57.2111, 0.4239,
0.4852

■ 58.2212, 0.4150,
0.4747

■ 59.3359, 0.4035,
0.4600

■ 60.5648, 0.3900,
0.4417

■ 61.9167, 0.3751,
0.4208

■ 63.3991, 0.3593,
0.3982

■ 65.0193, 0.3434,
0.3749

■ 66.7836, 0.3277,
0.3516

Harmonies

Analogous

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



55.4458, 0.5010, 0.4239



55.4458, 0.4340, 0.4936



55.4458, 0.3421, 0.5276

Triad

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



55.4458, 0.4340, 0.4936



55.4458, 0.1443, 0.2526



55.4458, 0.3568, 0.2275

Complementary

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



55.4458, 0.4340, 0.4936



5.3630, 0.1512, 0.0644

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.



55.4458, 0.2537, 0.1902



55.4458, 0.4340, 0.4936



55.4458, 0.1474, 0.1961

Square

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



55.4458, 0.4340, 0.4936



55.4458, 0.1766, 0.3562



55.4458, 0.1828, 0.1783



55.4458, 0.4615, 0.2845

Rectangle

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



55.4458, 0.4340, 0.4936



55.4458, 0.2779, 0.5037



55.4458, 0.1828, 0.1783



55.4458, 0.3200, 0.2125

Sweetspot

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



55.4484, 0.4340, 0.4936



92.2232, 0.3598, 0.3989



14.6491, 0.6321, 0.3256



19.5384, 0.3666, 0.4086



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.



55.4484, 0.4340, 0.4936



80.6069, 0.4341, 0.4935



53.5696, 0.3480, 0.5619



14.3444, 0.3268, 0.3503



32.8799, 0.4337, 0.4938



2.0340, 0.4310, 0.4960

Inverse Universe

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



5.3630, 0.1512, 0.0644



7.7246, 0.1511, 0.0638



7.1355, 0.1862, 0.0800



12.1646, 0.2981, 0.3068



3.2349, 0.1515, 0.0655



0.2513, 0.1561, 0.0818

Previews

White Background



This preview shows how the Yxy color 55.4458, 0.4340, 0.4936 looks on a white background.

Color Contrast Check

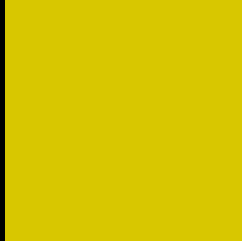
Large Text (above 18pt) WCAG AA × Fail

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 55.4458, 0.4340, 0.4936 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 55.4458, 0.4340, 0.4936

Background



This preview shows how black text looks on a background with the Yxy color 55.4458, 0.4340, 0.4936.



This preview shows how white text looks on a background with the Yxy color 55.4458, 0.4340, 0.4936.

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

55.4458, 0.4340, 0.4936

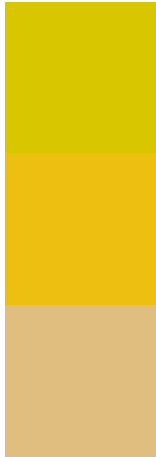
Deuteranopia

55.1534, 0.4693, 0.4584

Tritanopia

55.3154, 0.3379, 0.3133

Trichromacy



Original Color

55.4458, 0.4340, 0.4936

Deuteranomaly

55.1349, 0.4565, 0.4720

Tritanomaly

54.2065, 0.3927, 0.4017

Monochromacy



Original Color

55.4458, 0.4340, 0.4936

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

48.6736, 0.3757, 0.4220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.4458, 0.4340, 0.4936 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(216, 199, 0)` looks like.

```
.text, #text, p{  
    color:rgb(216, 199, 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(216, 199, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 199, 0) }
```

Border

The CSS property to change the border of an element to Yxy 55.4458, 0.4340, 0.4936 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(216, 199, 0) }
```

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

```
.border{ border-color:rgb(216, 199, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 199, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 199, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 199, 0);  
box-shadow:4px 4px 4px 4px rgb(216, 199,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 55.4458, 0.4340, 0.4936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 199, 0) }
```

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

```
.background{ background-color: rgb(216,  
199, 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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