

Converting Colors

Yxy(55.2164, 0.4502, 0.4807)

Have a look what the booklet for
Yxy(55.2164, 0.4502, 0.4807)
contains.

Yxy(55.4066, 0.4504, 0.4806)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(55.4066, 0.4504, 0.4806)

Conversions

Conversions Part 1

Format	Color
Hex	E6C200
RGB	230, 194, 0
RGB Percent	90%, 76%, 0%
CMY	0.0980, 0.2392, 1.0000
CMYK	0.00, 0.16, 1.00, 0.10
HSL	51°, 100%, 45%
HSV	51°, 100%, 90%
XYZ	51.9250, 55.4066, 7.9548
YIQ	182.6480, 83.7300, -52.7020

Conversions

Conversions Part 2

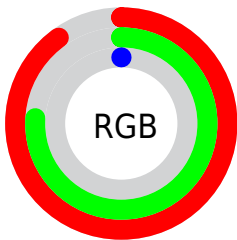
Format	Color
R _Y B	43, 230, 0
Decimal	15122944
CIE Lab	79.27, -1.93, 80.66
CIE LCh	79, 80.681, 91.368
Yxy	55.4066, 0.4504, 0.4806
Android (android.graphics.Color)	4293313024 (0xFFE6C200)
YUV	182.6480, -90.0455, 41.5277
Hunter-Lab	74.4356, -5.7439, 45.7687

Details

The Yxy color **55.4066, 0.4504, 0.4806** is a dark color, and the websafe version is hex **FFCC00**. The color can be described as middle washed yellow. A complement of this color would be **6.9747, 0.1533, 0.0717**, and the grayscale version is **47.6212, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2713, 0.4074, 0.4775**, and **27.4848, 0.4517, 0.4796** is the 20% darker color. If you saturate the color by 10%, you get **55.4095, 0.4504, 0.4806**, and if you desaturate by 10%, it is **57.0931, 0.4444, 0.4797**.

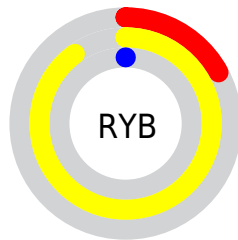
Distribution



Red (90%)

Green (76%)

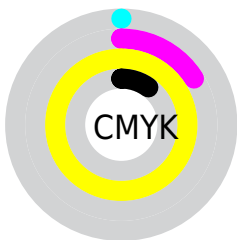
Blue (0%)



Red (17%)

Yellow (90%)

Blue (0%)

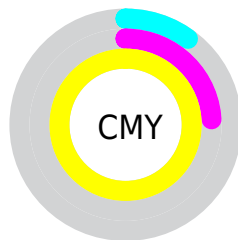


Cyan (0%)

Magenta (16%)

Yellow (100%)

Black (10%)



Cyan (10%)

Magenta (24%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.4066, 0.4504, 0.4806 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 55.4066, 0.4504, 0.4806 by changing the saturation by 10% instead.

 55.4066, 0.4504,
0.4806

 55.4066, 0.4504,
0.4806


407.4514, 0.3934,
0.4169

 39.7274, 0.4596,
0.4912


 98.1364, 0.4334,
0.4613


 27.3260, 0.4685,
0.5018


 125.9558, 0.4258,
0.4529

 17.8182, 0.4780,
0.5134


 158.5907, 0.4190,
0.4453

 10.8196, 0.4812,
0.5188

 196.4255, 0.4128,
0.4384

 5.9456, 0.4799,
0.5201

 239.8445, 0.4073,
0.4322

 2.8121, 0.4778,
0.5222

 289.2323, 0.4022,

 1.0344, 0.4739,

0.4266

0.5261

344.9731, 0.3976,
0.4215

■ 0.0000, 0.0000,
0.0000

■ 55.4066, 0.4504,
0.4806

■ 55.4066, 0.4504,
0.4806

■ 55.4095, 0.4504,
0.4806

■ 57.0931, 0.4444,
0.4797

■ 58.8894, 0.4358,
0.4747

■ 60.8221, 0.4244,
0.4651

■ 62.9050, 0.4105,
0.4513

■ 65.1498, 0.3949,
0.4341

■ 67.5668, 0.3782,
0.4143

■ 70.1653, 0.3611,
0.3931

■ 72.9536, 0.3442,
0.3714

■ 75.9397, 0.3280,
0.3498

Harmonies

Analogous

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



55.4066, 0.5091, 0.4089



55.4066, 0.4504, 0.4806



55.4066, 0.3618, 0.5261

Triad

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



55.4066, 0.4504, 0.4806



55.4066, 0.1479, 0.2700



55.4066, 0.3341, 0.2181

Complementary

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



55.4066, 0.4504, 0.4806



6.9747, 0.1533, 0.0717

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.



55.4066, 0.2363, 0.1857



55.4066, 0.4504, 0.4806



55.4066, 0.1443, 0.2042

Square

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



55.4066, 0.4504, 0.4806



55.4066, 0.1882, 0.3816



55.4066, 0.1730, 0.1794



55.4066, 0.4425, 0.2718

Rectangle

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



55.4066, 0.4504, 0.4806



55.4066, 0.2973, 0.5156



55.4066, 0.1730, 0.1794



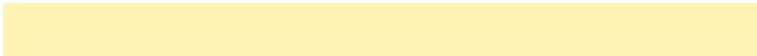
55.4066, 0.2984, 0.2046

Sweetspot

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



55.4095, 0.4504, 0.4806



88.6123, 0.3614, 0.3935



16.9653, 0.6183, 0.3180



18.6629, 0.3686, 0.4026



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.



55.4095, 0.4504, 0.4806



69.9080, 0.4506, 0.4804



63.3992, 0.3610, 0.5516



16.4127, 0.3271, 0.3487



31.5176, 0.4498, 0.4810



2.4329, 0.4446, 0.4851

Inverse Universe

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



6.9747, 0.1533, 0.0717



8.7314, 0.1531, 0.0711



7.2772, 0.1733, 0.0728



14.2495, 0.2980, 0.3085



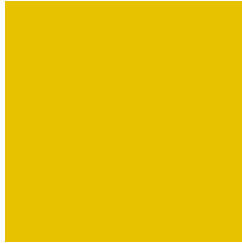
4.0619, 0.1538, 0.0735



0.4123, 0.1602, 0.0965

Previews

White Background



This preview shows how the Yxy color 55.4066, 0.4504, 0.4806 looks on a white background.

Color Contrast Check

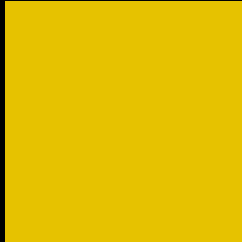
Large Text (above 18pt) WCAG AA × Fail

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 55.4066, 0.4504, 0.4806 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 55.4066, 0.4504, 0.4806

Background



This preview shows how black text looks on a background with the Yxy color 55.4066, 0.4504, 0.4806.

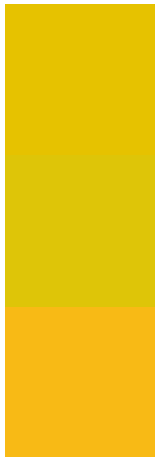


This preview shows how white text looks on a background with the Yxy color 55.4066, 0.4504, 0.4806.

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

55.4066, 0.4504, 0.4806

Protanopia

55.4796, 0.4401, 0.4870

Deuteranopia

55.1284, 0.4704, 0.4597



Tritanopia

55.2383, 0.3542, 0.3139

Trichromacy



Original Color

55.4066, 0.4504, 0.4806

Protanomaly

55.4984, 0.4439, 0.4847

Deuteranomaly

55.1250, 0.4630, 0.4679

Tritanomaly

54.1325, 0.4100, 0.3974

Monochromacy



Original Color

55.4066, 0.4504, 0.4806

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

49.0810, 0.3809, 0.4178

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.4066, 0.4504, 0.4806 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(230, 194, 0)` looks like.

```
.text, #text, p{  
    color:rgb(230, 194, 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(230, 194, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 194, 0) }
```

Border

The CSS property to change the border of an element to Yxy 55.4066, 0.4504, 0.4806 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(230, 194, 0) }
```

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

```
.border{ border-color:rgb(230, 194, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 194, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 194, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 194, 0);  
box-shadow:4px 4px 4px 4px rgb(230, 194,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 55.4066, 0.4504, 0.4806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 194, 0) }
```

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

```
.background{ background-color: rgb(230,  
194, 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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