

Converting Colors

$Y_{xy}(56.1552, 0.4610, 0.4572)$

Have a look what the booklet for
Yxy(56.1552, 0.4610, 0.4572)
contains.

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Color

Yxy(56.1552, 0.4610, 0.4572)

Conversions

Conversions Part 1

Format	Color
Hex	F6BD2A
RGB	246, 189, 42
RGB Percent	96%, 74%, 16%
CMY	0.0353, 0.2588, 0.8352
CMYK	0.00, 0.23, 0.83, 0.04
HSL	43°, 92%, 56%
HSV	43°, 83%, 96%
XYZ	56.6219, 56.1552, 10.0470
YIQ	189.2850, 81.1590, -33.6330

Conversions

Conversions Part 2

Format	Color
R _Y B	121, 246, 42
Decimal	16170282
CIE Lab	79.70, 8.20, 74.63
CIE LCh	80, 75.077, 83.727
Yxy	56.1552, 0.4610, 0.4572
Android (android.graphics.Color)	4294360362 (0xFFF6BD2A)
YUV	189.2850, -72.6115, 49.7391
Hunter-Lab	74.9368, 3.7345, 44.5065

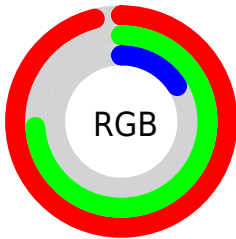
Details

The Yxy color **56.1552, 0.4610, 0.4572** is a light color, and the websafe version is hex **FFCC33**.

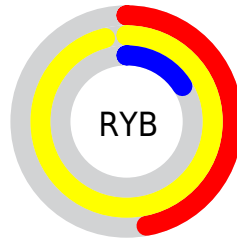
The color can be described as light washed orange. A complement of this color would be **16.0738, 0.1733, 0.1263**, and the grayscale version is **51.4532, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5241, 0.4031, 0.4625**, and **27.9226, 0.4754, 0.4607** is the 20% darker color. If you saturate the color by 10%, you get **53.1448, 0.4733, 0.4584**, and if you desaturate by 10%, it is **59.4192, 0.4456, 0.4509**.

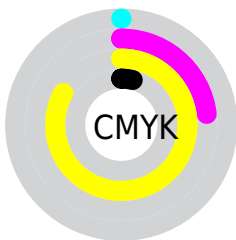
Distribution



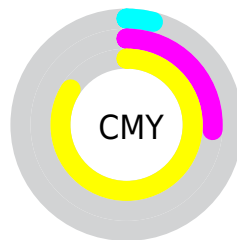
- Red (96%)
- Green (74%)
- Blue (16%)



- Red (47%)
- Yellow (96%)
- Blue (16%)



- Cyan (0%)
- Magenta (23%)
- Yellow (83%)
- Black (4%)





- Cyan (4%)
- Magenta (26%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.1552, 0.4610, 0.4572 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 56.1552, 0.4610, 0.4572 by changing the saturation by 10% instead.


 56.1552, 0.4610,
0.4572


 56.1552, 0.4610,
0.4572


410.2761, 0.3966,
0.4047


 40.3274, 0.4728,
0.4657


 99.2315, 0.4407,
0.4415


 27.7939, 0.4854,
0.4740


 127.2487, 0.4321,
0.4346

 18.1703, 0.4983,
0.4812


 160.0978, 0.4244,
0.4283

 11.0724, 0.5125,
0.4875

 198.1633, 0.4176,
0.4226

 6.1155, 0.5179,
0.4821

 241.8294, 0.4115,
0.4174

 2.9155, 0.5262,
0.4738

 291.4807, 0.4060,

 1.0878, 0.5408,

0.4128

0.4592

347.5015, 0.4011,
0.4085

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

56.1552, 0.4610,
0.4572

56.1552, 0.4610,
0.4572

53.1448, 0.4733,
0.4584


59.4192, 0.4456,
0.4509


51.1413, 0.4804,
0.4568


62.9475, 0.4279,
0.4401


66.7589, 0.4087,
0.4257


70.8674, 0.3890,
0.4086

 75.2858, 0.3694,
0.3902

 80.0257, 0.3507,
0.3712

 85.0980, 0.3332,
0.3523

 90.5128, 0.3171,
0.3341

 95.7250, 0.3073,
0.3250

Harmonies

Analogous

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



56.1552, 0.5030, 0.3894



56.1552, 0.4610, 0.4572



56.1552, 0.3835, 0.5069

Triad

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



56.1552, 0.4610, 0.4572



56.1552, 0.1641, 0.2982



56.1552, 0.3076, 0.2146

Complementary

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



56.1552, 0.4610, 0.4572



16.0738, 0.1733, 0.1263

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.



56.1552, 0.2230, 0.1898



56.1552, 0.4610, 0.4572



56.1552, 0.1516, 0.2244

Square

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



56.1552, 0.4610, 0.4572



56.1552, 0.2126, 0.4071



56.1552, 0.1711, 0.1912



56.1552, 0.4093, 0.2615

Rectangle

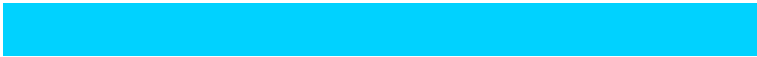
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.1552, 0.4610, 0.4572



56.1552, 0.3233, 0.5091



56.1552, 0.1711, 0.1912



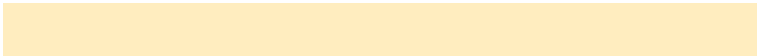
56.1552, 0.2762, 0.2036

Sweetspot

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



56.1580, 0.4610, 0.4572



85.7095, 0.3546, 0.3752



22.1671, 0.5312, 0.2863



17.9549, 0.3612, 0.3819



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.



56.1580, 0.4610, 0.4572



55.7387, 0.4795, 0.4570



78.6080, 0.3830, 0.5219



18.4850, 0.3275, 0.3460



27.5460, 0.4791, 0.4578



2.5937, 0.4699, 0.4651

Inverse Universe

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



16.0738, 0.1733, 0.1263



12.0131, 0.1595, 0.0936



10.3004, 0.1782, 0.0861



16.6804, 0.2979, 0.3114



6.0087, 0.1597, 0.0950



0.6943, 0.1664, 0.1189

Previews

White Background



This preview shows how the Yxy color 56.1552, 0.4610, 0.4572 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 56.1552, 0.4610, 0.4572 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 56.1552, 0.4610, 0.4572

Background



This preview shows how black text looks on a background with the Yxy color 56.1552, 0.4610, 0.4572.



This preview shows how white text looks on a background with the Yxy color 56.1552, 0.4610, 0.4572.

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

56.1552, 0.4610, 0.4572

Protanopia

56.0996, 0.4324, 0.4778

Deuteranopia

56.2806, 0.4640, 0.4543



Tritanopia

56.0284, 0.3708, 0.3145

Trichromacy



Original Color

56.1552, 0.4610, 0.4572

Protanomaly

56.1936, 0.4429, 0.4705

Deuteranomaly

56.0973, 0.4632, 0.4549

Tritanomaly

55.5208, 0.4145, 0.3766

Monochromacy



Original Color

56.1552, 0.4610, 0.4572

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

51.8744, 0.3734, 0.3936

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.1552, 0.4610, 0.4572 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(246, 189, 42)` looks like.

```
.text, #text, p{  
    color:rgb(246, 189, 42)  
}
```

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(246, 189, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 189, 42) }
```

Border

The CSS property to change the border of an element to Yxy 56.1552, 0.4610, 0.4572 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(246, 189, 42) }
```

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

```
.border{ border-color:rgb(246, 189, 42) }
```

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

Here you see how a box with a 4 pixel rgb(246, 189, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 189, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 189, 42);  
box-shadow:4px 4px 4px 4px rgb(246, 189,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 56.1552, 0.4610, 0.4572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 189, 42) }
```

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

```
.background{ background-color: rgb(246,  
189, 42) }
```

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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