

Converting Colors

Yxy(53.4846, 0.4728, 0.4628)

Have a look what the booklet for
Yxy(53.4846, 0.4728, 0.4628)
contains.

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Color

Yxy(53.6935, 0.4725, 0.4630)

Conversions

Conversions Part 1

Format	Color
Hex	F5B800
RGB	245, 184, 0
RGB Percent	96%, 72%, 0%
CMY	0.0393, 0.2784, 0.9994
CMYK	0.00, 0.25, 1.00, 0.04
HSL	45°, 100%, 48%
HSV	45°, 100%, 96%
XYZ	54.7952, 53.6935, 7.4800
YIQ	181.2630, 95.4200, -44.2920

Conversions

Conversions Part 2

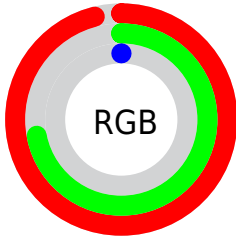
Format	Color
R _Y B	81, 245, 0
Decimal	16103424
CIE Lab	78.28, 9.75, 80.65
CIE LCh	78, 81.232, 83.108
Yxy	53.6935, 0.4725, 0.4630
Android (android.graphics.Color)	4294293504 (0xFF5B800)
YUV	181.2630, -89.3627, 55.8973
Hunter-Lab	73.2758, 5.2484, 45.2408

Details

The Yxy color **53.6935, 0.4725, 0.4630** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle saturated orange. A complement of this color would be **9.9460, 0.1573, 0.0862**, and the grayscale version is **46.8247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1894, 0.4143, 0.4718**, and **26.2999, 0.4802, 0.4569** is the 20% darker color. If you saturate the color by 10%, you get **53.6789, 0.4725, 0.4630**, and if you desaturate by 10%, it is **56.3550, 0.4633, 0.4641**.

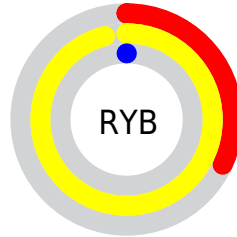
Distribution



Red (96%)

Green (72%)

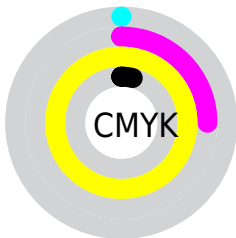
Blue (0%)



Red (32%)

Yellow (96%)

Blue (0%)

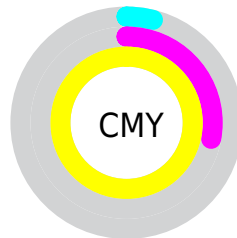


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (28%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.6935, 0.4725, 0.4630 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 53.6935, 0.4725, 0.4630 by changing the saturation by 10% instead.


 53.6935, 0.4725,
0.4630


 53.6935, 0.4725,
0.4630


400.9402, 0.4043,
0.4101


 38.3567, 0.4843,
0.4706

 95.6241, 0.4515,
0.4479

 26.2596, 0.4963,
0.4773


 122.9866, 0.4425,
0.4410


 17.0180, 0.5106,
0.4843

 155.1265, 0.4344,
0.4347

 10.2473, 0.5179,
0.4821

 192.4281, 0.4271,
0.4288

 5.5632, 0.5246,
0.4754

 235.2759, 0.4205,
0.4235

 2.5814, 0.5352,
0.4648

 284.0543, 0.4146,

 0.9173, 0.5539,

0.4186

0.4461

339.1475, 0.4092,
0.4142

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 53.6935, 0.4725,
0.4630

■ 53.6935, 0.4725,
0.4630

■ 53.6789, 0.4725,
0.4630

■ 56.3550, 0.4633,
0.4641

■ 59.2104, 0.4513,
0.4608

■ 62.2903, 0.4365,
0.4526

■ 65.6118, 0.4193,
0.4401

■ 69.1895, 0.4009,
0.4242

■ 73.0363, 0.3819,
0.4060

■ 77.1641, 0.3631,
0.3867

■ 81.5835, 0.3451,
0.3669

■ 86.3046, 0.3282,
0.3475

Harmonies

Analogous

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



53.6935, 0.5194, 0.3890



53.6935, 0.4725, 0.4630



53.6935, 0.3883, 0.5220

Triad

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



53.6935, 0.4725, 0.4630



53.6935, 0.1529, 0.2959



53.6935, 0.3042, 0.2051

Complementary

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



53.6935, 0.4725, 0.4630



9.9460, 0.1573, 0.0862

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.



53.6935, 0.2137, 0.1793



53.6935, 0.4725, 0.4630



53.6935, 0.1398, 0.2158

Square

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



53.6935, 0.4725, 0.4630



53.6935, 0.2045, 0.4177



53.6935, 0.1598, 0.1808



53.6935, 0.4160, 0.2543

Rectangle

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



53.6935, 0.4725, 0.4630



53.6935, 0.3235, 0.5289



53.6935, 0.1598, 0.1808



53.6935, 0.2703, 0.1937

Sweetspot

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



53.6962, 0.4725, 0.4630



84.4540, 0.3633, 0.3869



19.7553, 0.5969, 0.3062



17.6599, 0.3712, 0.3952



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.



53.6962, 0.4725, 0.4630



58.7335, 0.4727, 0.4629



75.4634, 0.3750, 0.5404



18.5735, 0.3275, 0.3467



29.1510, 0.4715, 0.4638



2.7236, 0.4635, 0.4702

Inverse Universe

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



9.9460, 0.1573, 0.0862



10.8323, 0.1572, 0.0857



7.5995, 0.1632, 0.0673



16.5972, 0.2979, 0.3107



5.5343, 0.1579, 0.0886



0.6428, 0.1644, 0.1117

Previews

White Background



This preview shows how the Yxy color 53.6935, 0.4725, 0.4630 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 53.6935, 0.4725, 0.4630 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 53.6935, 0.4725, 0.4630

Background



This preview shows how black text looks on a background with the Yxy color 53.6935, 0.4725, 0.4630.



This preview shows how white text looks on a background with the Yxy color 53.6935, 0.4725, 0.4630.

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

53.6935, 0.4725, 0.4630

Protanopia

53.6727, 0.4399, 0.4860

Deuteranopia

53.7000, 0.4722, 0.4626



Tritanopia

53.6573, 0.3768, 0.3155

Trichromacy



Original Color

53.6935, 0.4725, 0.4630

Protanomaly

53.3384, 0.4519, 0.4777

Deuteranomaly

53.6978, 0.4723, 0.4628

Tritanomaly

52.8443, 0.4325, 0.3905

Monochromacy



Original Color

53.6935, 0.4725, 0.4630

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.5311, 0.3879, 0.4123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.6935, 0.4725, 0.4630 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(245, 184, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 184, 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(245, 184, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 184, 0) }
```

Border

The CSS property to change the border of an element to Yxy 53.6935, 0.4725, 0.4630 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(245, 184, 0) }
```

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

```
.border{ border-color:rgb(245, 184, 0) }
```

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

Here you see how a box with a 4 pixel rgb(245, 184, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 184, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 184, 0);  
box-shadow:4px 4px 4px 4px rgb(245, 184,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 53.6935, 0.4725, 0.4630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 184, 0) }
```

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

```
.background{ background-color: rgb(245,  
184, 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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