

Converting Colors

$Yxy(51.7027, 0.4774, 0.4592)$

Have a look what the booklet for
Yxy(51.7027, 0.4774, 0.4592)
contains.

Yxy(51.6527, 0.4777, 0.4589)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.6527, 0.4777, 0.4589)

Conversions

Conversions Part 1

Format	Color
Hex	F5B300
RGB	245, 179, 0
RGB Percent	96%, 70%, 0%
CMY	0.0393, 0.2980, 0.9999
CMYK	0.00, 0.27, 1.00, 0.04
HSL	44°, 100%, 48%
HSV	44°, 100%, 96%
XYZ	53.7688, 51.6527, 7.1362
YIQ	178.3280, 96.7950, -41.6770

Conversions

Conversions Part 2

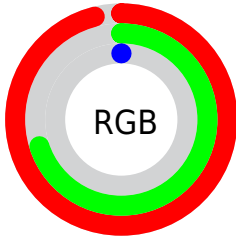
Format	Color
R_{YB}	90, 245, 0
Decimal	16102144
CIE _{Lab}	77.07, 12.35, 79.83
CIE _{LCh}	77, 80.783, 81.207
Yxy	51.6527, 0.4777, 0.4589
Android (android.graphics.Color)	4294292224 (0xFFFF5B300)
YUV	178.3280, -87.9157, 58.4713
Hunter-Lab	71.8698, 7.7711, 44.4218

Details

The Yxy color **51.6527, 0.4777, 0.4589** 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 **10.4841, 0.1584, 0.0901**, and the grayscale version is **45.1432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7148, 0.4181, 0.4675**, and **25.2460, 0.4859, 0.4524** is the 20% darker color. If you saturate the color by 10%, you get **51.6528, 0.4777, 0.4589**, and if you desaturate by 10%, it is **54.4312, 0.4678, 0.4605**.

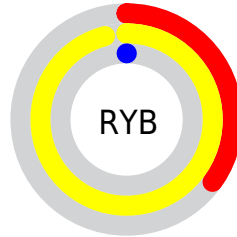
Distribution



Red (96%)

Green (70%)

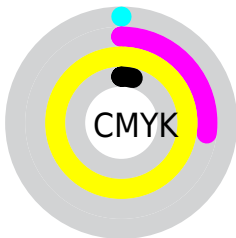
Blue (0%)



Red (35%)

Yellow (96%)

Blue (0%)

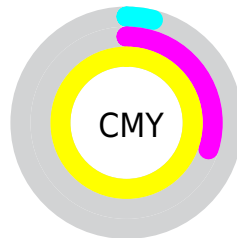


Cyan (0%)

Magenta (27%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (30%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.6527, 0.4777, 0.4589 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 51.6527, 0.4777, 0.4589 by changing the saturation by 10% instead.

 51.6527, 0.4777,
0.4589


 51.6527, 0.4777,
0.4589


393.0944, 0.4065,
0.4082


 36.7283, 0.4902,
0.4658

 92.6188, 0.4556,
0.4447

 24.9972, 0.5031,
0.4716


 119.4294, 0.4461,
0.4381

 16.0750, 0.5192,
0.4781


 150.9708, 0.4377,
0.4320

 9.5772, 0.5267,
0.4733

 187.6275, 0.4300,
0.4263

 5.1196, 0.5355,
0.4645

 229.7837, 0.4232,
0.4212

 2.3176, 0.5494,
0.4506

 277.8241, 0.4171,

 0.7830, 0.5757,

0.4165

0.4243

332.1328, 0.4115,
0.4121

■ 0.0000, 0.0000,
0.0000

■ 51.6527, 0.4777,
0.4589

■ 51.6527, 0.4777,
0.4589

■ 51.6528, 0.4777,
0.4589

■ 54.4312, 0.4678,
0.4605

■ 57.4210, 0.4550,
0.4575

■ 60.6529, 0.4393,
0.4497

■ 64.1445, 0.4214,
0.4375

■ 67.9108, 0.4023,
0.4220

■ 71.9651, 0.3828,
0.4043

■ 76.3193, 0.3636,
0.3853

■ 80.9847, 0.3454,
0.3661

■ 85.9716, 0.3283,
0.3471

Harmonies

Analogous

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



51.6527, 0.5218, 0.3844



51.6527, 0.4777, 0.4589



51.6527, 0.3945, 0.5208

Triad

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



51.6527, 0.4777, 0.4589



51.6527, 0.1540, 0.3023



51.6527, 0.2974, 0.2020

Complementary

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



51.6527, 0.4777, 0.4589



10.4841, 0.1584, 0.0901

Split Complementary

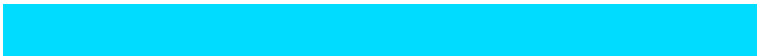
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



51.6527, 0.2086, 0.1777



51.6527, 0.4777, 0.4589



51.6527, 0.1387, 0.2187

Square

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



51.6527, 0.4777, 0.4589



51.6527, 0.2083, 0.4265



51.6527, 0.1567, 0.1811



51.6527, 0.4097, 0.2501

Rectangle

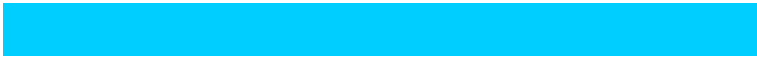
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.6527, 0.4777, 0.4589



51.6527, 0.3297, 0.5316



51.6527, 0.1567, 0.1811



51.6527, 0.2638, 0.1910

Sweetspot

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



51.6553, 0.4777, 0.4589



83.5698, 0.3638, 0.3855



19.8425, 0.5863, 0.3004



17.4475, 0.3718, 0.3936



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.



51.6553, 0.4777, 0.4589



56.5226, 0.4778, 0.4588



76.4799, 0.3808, 0.5358



18.5146, 0.3275, 0.3462



28.0748, 0.4765, 0.4598



2.6367, 0.4677, 0.4668

Inverse Universe

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



10.4841, 0.1584, 0.0901



11.4341, 0.1583, 0.0898



7.3507, 0.1601, 0.0656



16.6525, 0.2979, 0.3112



5.8430, 0.1591, 0.0927



0.6766, 0.1657, 0.1165

Previews

White Background



This preview shows how the Yxy color 51.6527, 0.4777, 0.4589 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 51.6527, 0.4777, 0.4589 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 51.6527, 0.4777, 0.4589

Background



This preview shows how black text looks on a background with the Yxy color 51.6527, 0.4777, 0.4589.



This preview shows how white text looks on a background with the Yxy color 51.6527, 0.4777, 0.4589.

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

51.6527, 0.4777, 0.4589

Protanopia

51.7404, 0.4392, 0.4862

Deuteranopia

51.7485, 0.4725, 0.4631



Tritanopia

51.4098, 0.3821, 0.3154

Trichromacy



Original Color

51.6527, 0.4777, 0.4589

Protanomaly

51.7291, 0.4530, 0.4765

Deuteranomaly

51.5198, 0.4743, 0.4616

Tritanomaly

50.6647, 0.4374, 0.3886

Monochromacy



Original Color

51.6527, 0.4777, 0.4589

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.5896, 0.3897, 0.4108

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6527, 0.4777, 0.4589 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, 179, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 179, 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, 179, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 179, 0) }
```

Border

The CSS property to change the border of an element to Yxy 51.6527, 0.4777, 0.4589 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, 179, 0) }
```

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

```
.border{ border-color:rgb(245, 179, 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, 179, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 179, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 179, 0);  
box-shadow:4px 4px 4px 4px rgb(245, 179,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6527, 0.4777, 0.4589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 179, 0) }
```

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

```
.background{ background-color: rgb(245,  
179, 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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