

Converting Colors

$Y_{xy}(24.5908, 0.5962, 0.3648)$

Have a look what the booklet for
Yxy(24.5908, 0.5962, 0.3648)
contains.

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Color

Yxy(24.5814, 0.5966, 0.3645)

Conversions

Conversions Part 1

Format	Color
Hex	F54C00
RGB	245, 76, 0
RGB Percent	96%, 30%, 0%
CMY	0.0393, 0.7018, 1.0000
CMYK	0.00, 0.69, 1.00, 0.04
HSL	19°, 100%, 48%
HSV	19°, 100%, 96%
XYZ	40.2339, 24.5814, 2.6234
YIQ	117.8670, 125.1200, 12.1920

Conversions

Conversions Part 2

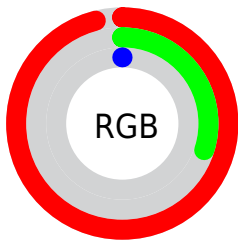
Format	Color
R_{YB}	245, 110, 0
Decimal	16075776
CIE _{Lab}	56.67, 62.21, 67.52
CIE _{LCh}	57, 91.811, 47.343
Yxy	24.5814, 0.5966, 0.3645
Android (android.graphics.Color)	4294265856 (0xFFFF54C00)
YUV	117.8670, -58.1084, 111.4956
Hunter-Lab	49.5796, 58.0886, 31.5686

Details

The Yxy color **24.5814, 0.5966, 0.3645** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **34.9400, 0.1951, 0.2224**, and the grayscale version is **18.2349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4052, 0.5129, 0.3897**, and **9.5837, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **24.5829, 0.5966, 0.3645**, and if you desaturate by 10%, it is **27.2937, 0.5717, 0.3740**.

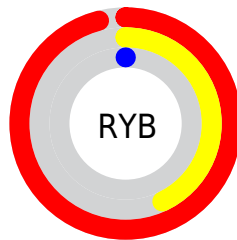
Distribution



Red (96%)

Green (30%)

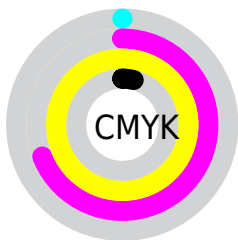
Blue (0%)



Red (96%)

Yellow (43%)

Blue (0%)

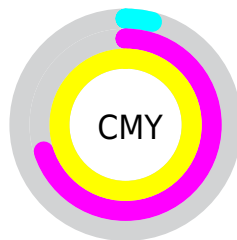


Cyan (0%)

Magenta (69%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (70%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.5814, 0.5966, 0.3645 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 24.5814, 0.5966, 0.3645 by changing the saturation by 10% instead.


 24.5814, 0.5966,
0.3645


 24.5814, 0.5966,
0.3645


275.7468, 0.4538,
0.3699

 15.7655, 0.6260,
0.3537


 50.9773, 0.5481,
0.3736

 9.3583, 0.6628,
0.3372


 69.3261, 0.5286,
0.3748


 4.9756, 0.6950,
0.3050

 91.6212, 0.5117,
0.3750

 2.2330, 0.7402,
0.2598

 118.2472, 0.4969,
0.3745

 0.7379, 0.8082,
0.1918

 149.5883, 0.4840,
0.3736

 0.0000, 1.0000,
0.0000


 186.0291, 0.4727,


 0.0000, 0.0000,

0.3725

0.0000

 227.9537, 0.4627,
0.3712


 24.5814, 0.5966,
0.3645


 24.5814, 0.5966,
0.3645


 24.5829, 0.5966,
0.3645

 27.2937, 0.5717,
0.3740

 30.7449, 0.5400,
0.3794

 35.0029, 0.5039,
0.3800

 40.1200, 0.4670,
0.3765

 46.1437, 0.4321,
0.3702

■ 53.1173, 0.4005,
0.3624

■ 61.0815, 0.3730,
0.3538

■ 70.0743, 0.3495,
0.3452

■ 80.1316, 0.3295,
0.3368

Harmonies

Analogous

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



24.5814, 0.5673, 0.2847



24.5814, 0.5966, 0.3645



24.5814, 0.5282, 0.4611

Triad

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



24.5814, 0.5966, 0.3645



24.5814, 0.1738, 0.5025



24.5814, 0.1615, 0.1322

Complementary

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



24.5814, 0.5966, 0.3645



34.9400, 0.1951, 0.2224

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.



24.5814, 0.1071, 0.1375



24.5814, 0.5966, 0.3645



24.5814, 0.1068, 0.3008

Square

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



24.5814, 0.5966, 0.3645



24.5814, 0.2871, 0.6259



24.5814, 0.0896, 0.1832



24.5814, 0.2686, 0.1573

Rectangle

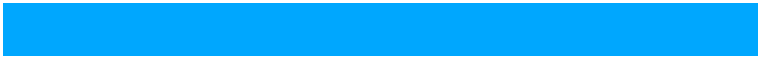
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



24.5814, 0.5966, 0.3645



24.5814, 0.4541, 0.5358



24.5814, 0.0896, 0.1832



24.5814, 0.1384, 0.1304

Sweetspot

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



24.5829, 0.5966, 0.3645



66.8518, 0.3732, 0.3538



22.3664, 0.4166, 0.2069



13.4918, 0.3843, 0.3575



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.



24.5829, 0.5966, 0.3645



26.8748, 0.5969, 0.3642



58.8780, 0.4605, 0.4725



17.3216, 0.3286, 0.3364



13.4624, 0.5937, 0.3668



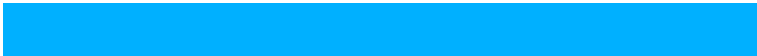
1.3585, 0.5693, 0.3862

Inverse Universe

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



34.9400, 0.1951, 0.2224



38.2086, 0.1951, 0.2222



8.7871, 0.1549, 0.0774



17.8391, 0.2980, 0.3215



19.0852, 0.1957, 0.2243



1.8598, 0.1997, 0.2390

Previews

White Background



This preview shows how the Yxy color 24.5814, 0.5966, 0.3645 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5814, 0.5966, 0.3645 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.5814, 0.5966, 0.3645

Background



This preview shows how black text looks on a background with the Yxy color 24.5814, 0.5966, 0.3645.



This preview shows how white text looks on a background with the Yxy color 24.5814, 0.5966, 0.3645.

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

24.5814, 0.5966, 0.3645

Protanopia

24.8359, 0.4329, 0.4787

Deuteranopia

24.7359, 0.4699, 0.4651



Tritanopia

24.5937, 0.5523, 0.3274

Trichromacy



Original Color

24.5814, 0.5966, 0.3645

Protanomaly

22.8667, 0.5030, 0.4304

Deuteranomaly

23.2940, 0.5259, 0.4206

Tritanomaly

24.5632, 0.5782, 0.3472

Monochromacy



Original Color

24.5814, 0.5966, 0.3645

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.1010, 0.4414, 0.3728

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5814, 0.5966, 0.3645 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, 76, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 76, 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, 76, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 76, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.5814, 0.5966, 0.3645 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, 76, 0) }
```

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

```
.border{ border-color:rgb(245, 76, 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, 76, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 76, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 76, 0);  
box-shadow:4px 4px 4px 4px rgb(245, 76, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 24.5814, 0.5966, 0.3645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 76, 0) }
```

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

```
.background{ background-color: rgb(245, 76,  
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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