

Converting Colors

$Y_{xy}(24.6828, 0.5933, 0.3671)$

Have a look what the booklet for
Yxy(24.6828, 0.5933, 0.3671)
contains.

Yxy(24.6467, 0.5928, 0.3675)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.6467, 0.5928, 0.3675)

Conversions

Conversions Part 1

Format	Color
Hex	F34F00
RGB	243, 79, 0
RGB Percent	95%, 31%, 0%
CMY	0.0471, 0.6901, 0.9999
CMYK	0.00, 0.67, 1.00, 0.05
HSL	20°, 100%, 48%
HSV	20°, 100%, 95%
XYZ	39.7566, 24.6467, 2.6625
YIQ	119.0300, 123.1030, 10.1990

Conversions

Conversions Part 2

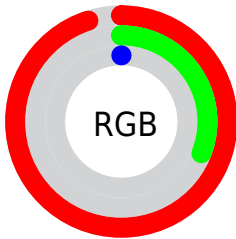
Format	Color
R_{YB}	243, 117, 0
Decimal	15945472
CIE Lab	56.73, 60.44, 67.35
CIE LCh	57, 90.492, 48.091
Yxy	24.6467, 0.5928, 0.3675
Android (android.graphics.Color)	4294135552 (0xFF34F00)
YUV	119.0300, -58.6818, 108.7217
Hunter-Lab	49.6454, 56.0653, 31.5721

Details

The Yxy color **24.6467, 0.5928, 0.3675** 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 **33.0217, 0.1937, 0.2171**, and the grayscale version is **18.6217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2385, 0.5100, 0.3926**, and **9.5084, 0.6392, 0.3306** is the 20% darker color. If you saturate the color by 10%, you get **24.6456, 0.5928, 0.3675**, and if you desaturate by 10%, it is **27.3807, 0.5680, 0.3770**.

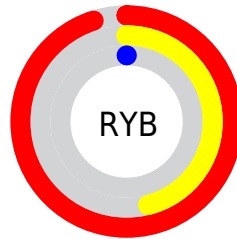
Distribution



Red (95%)

Green (31%)

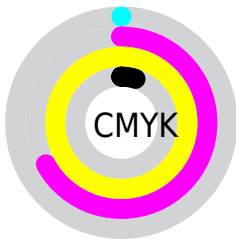
Blue (0%)



Red (95%)

Yellow (46%)

Blue (0%)

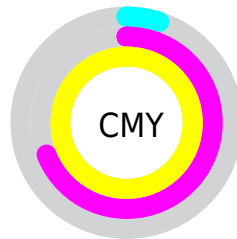


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (69%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.6467, 0.5928, 0.3675 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 24.6467, 0.5928, 0.3675 by changing the saturation by 10% instead.


 24.6467, 0.5928,
0.3675


 24.6467, 0.5928,
0.3675


276.0739, 0.4518,
0.3709

 15.8140, 0.6219,
0.3572


 51.0835, 0.5449,
0.3758

 9.3927, 0.6585,
0.3415


 69.4564, 0.5256,
0.3767


 4.9982, 0.6901,
0.3099

 91.7782, 0.5089,
0.3766

 2.2462, 0.7348,
0.2652

 118.4332, 0.4943,
0.3760

 0.7450, 0.8023,
0.1977

 149.8059, 0.4816,
0.3749


 0.0000, 1.0000,
0.0000


 186.2807, 0.4704,

 0.0000, 0.0000,

0.3737

0.0000


 228.2418, 0.4606,
0.3723


 24.6467, 0.5928,
0.3675


 24.6467, 0.5928,
0.3675


 24.6456, 0.5928,
0.3675

 27.3807, 0.5680,
0.3770

 30.8201, 0.5368,
0.3822

 35.0283, 0.5013,
0.3825

 40.0542, 0.4652,
0.3788

 45.9416, 0.4309,
0.3721

■ 52.7312, 0.3998,
0.3639

■ 60.4607, 0.3726,
0.3549

■ 69.1654, 0.3493,
0.3459

■ 78.8789, 0.3295,
0.3372

Harmonies

Analogous

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



24.6467, 0.5660, 0.2877



24.6467, 0.5928, 0.3675



24.6467, 0.5242, 0.4636

Triad

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



24.6467, 0.5928, 0.3675



24.6467, 0.1736, 0.4945



24.6467, 0.1651, 0.1343

Complementary

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



24.6467, 0.5928, 0.3675



33.0217, 0.1937, 0.2171

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.



24.6467, 0.1098, 0.1389



24.6467, 0.5928, 0.3675



24.6467, 0.1081, 0.2976

Square

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



24.6467, 0.5928, 0.3675



24.6467, 0.2855, 0.6206



24.6467, 0.0917, 0.1834



24.6467, 0.2727, 0.1600

Rectangle

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



24.6467, 0.5928, 0.3675



24.6467, 0.4506, 0.5369



24.6467, 0.0917, 0.1834



24.6467, 0.1417, 0.1323

Sweetspot

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



24.6482, 0.5928, 0.3675



67.3820, 0.3728, 0.3550



21.8091, 0.4230, 0.2104



13.6151, 0.3839, 0.3588



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.



24.6482, 0.5928, 0.3675



27.4320, 0.5933, 0.3671



59.6472, 0.4566, 0.4757



17.3622, 0.3285, 0.3368



13.7444, 0.5900, 0.3698



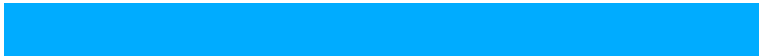
1.3872, 0.5657, 0.3890

Inverse Universe

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



33.0217, 0.1937, 0.2171



36.7612, 0.1936, 0.2168



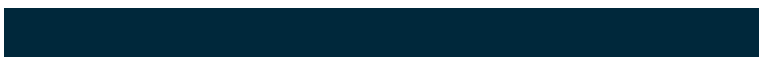
8.3149, 0.1542, 0.0750



17.7965, 0.2980, 0.3211



18.3786, 0.1942, 0.2191



1.8017, 0.1985, 0.2345

Previews

White Background



This preview shows how the Yxy color 24.6467, 0.5928, 0.3675 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 24.6467, 0.5928, 0.3675 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 24.6467, 0.5928, 0.3675

Background



This preview shows how black text looks on a background with the Yxy color 24.6467, 0.5928, 0.3675.



This preview shows how white text looks on a background with the Yxy color 24.6467, 0.5928, 0.3675.

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

24.6467, 0.5928, 0.3675

Protanopia

24.8359, 0.4329, 0.4787

Deuteranopia

24.7359, 0.4699, 0.4651



Tritanopia

24.6665, 0.5452, 0.3272

Trichromacy



Original Color

24.6467, 0.5928, 0.3675

Protanomaly

22.9704, 0.5006, 0.4324

Deuteranomaly

23.3746, 0.5236, 0.4224

Tritanomaly

24.6237, 0.5729, 0.3488

Monochromacy



Original Color

24.6467, 0.5928, 0.3675

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.3149, 0.4391, 0.3729

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6467, 0.5928, 0.3675 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(243, 79, 0)` looks like.

```
.text, #text, p{  
    color:rgb(243, 79, 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(243, 79, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 79, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.6467, 0.5928, 0.3675 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(243, 79, 0) }
```

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

```
.border{ border-color:rgb(243, 79, 0) }
```

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

Here you see how a box with a 4 pixel rgb(243, 79, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 79, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 79, 0);  
box-shadow:4px 4px 4px 4px rgb(243, 79, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 24.6467, 0.5928, 0.3675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 79, 0) }
```

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

```
.background{ background-color: rgb(243, 79,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor