

Converting Colors

$Yxy(24.6823, 0.5672, 0.3848)$

Have a look what the booklet for
Yxy(24.6823, 0.5672, 0.3848)
contains.

Yxy(24.6810, 0.5671, 0.3849)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.6810, 0.5671, 0.3849)

Conversions

Conversions Part 1

Format	Color
Hex	E55E08
RGB	229, 94, 8
RGB Percent	90%, 37%, 3%
CMY	0.1019, 0.6314, 0.9685
CMYK	0.00, 0.59, 0.96, 0.10
HSL	23°, 93%, 46%
HSV	23°, 96%, 90%
XYZ	36.3642, 24.6810, 3.0779
YIQ	124.5610, 108.0660, 1.8740

Conversions

Conversions Part 2

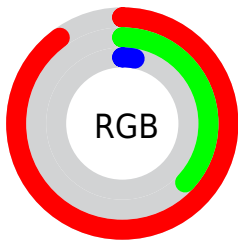
Format	Color
R_{YB}	229, 149, 8
Decimal	15031816
CIE _{Lab}	56.76, 49.34, 64.53
CIE _{LCh}	57, 81.233, 52.595
Yxy	24.6810, 0.5671, 0.3849
Android (android.graphics.Color)	4293221896 (0xFFE55E08)
YUV	124.5610, -57.4646, 91.5930
Hunter-Lab	49.6800, 43.7166, 31.1027

Details

The Yxy color **24.6810, 0.5671, 0.3849** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **25.3738, 0.1893, 0.1994**, and the grayscale version is **20.5235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8695, 0.4949, 0.4011**, and **9.4504, 0.6092, 0.3545** is the 20% darker color. If you saturate the color by 10%, you get **23.8192, 0.5751, 0.3816**, and if you desaturate by 10%, it is **27.4815, 0.5418, 0.3926**.

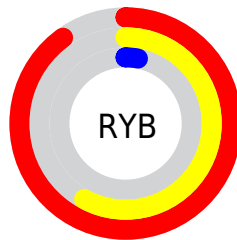
Distribution



Red (90%)

Green (37%)

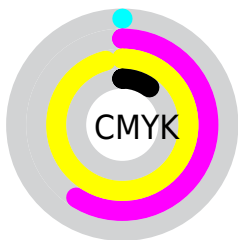
Blue (3%)



Red (90%)

Yellow (58%)

Blue (3%)

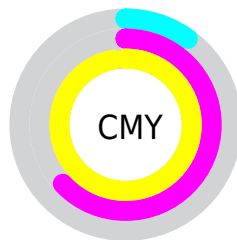


Cyan (0%)

Magenta (59%)

Yellow (96%)

Black (10%)



Cyan (10%)


Magenta (63%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.6810, 0.5671, 0.3849 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 24.6810, 0.5671, 0.3849 by changing the saturation by 10% instead.


 24.6810, 0.5671,
0.3849


 24.6810, 0.5671,
0.3849


276.2456, 0.4377,
0.3756


 15.8395, 0.5945,
0.3784


 51.1392, 0.5226,
0.3878


 9.4107, 0.6314,
0.3686


 69.5248, 0.5048,
0.3869


 5.0100, 0.6594,
0.3406

 91.8606, 0.4895,
0.3854

 2.2531, 0.7002,
0.2998

 118.5309, 0.4763,
0.3835

 0.7487, 0.7651,
0.2349

 149.9201, 0.4647,
0.3815


 0.0000, 1.0000,
0.0000


 186.4127, 0.4546,


 0.0000, 0.0000,

0.3795


0.0000


 228.3931, 0.4456,
0.3775


 24.6810, 0.5671,
0.3849

 24.6810, 0.5671,
0.3849


 23.8192, 0.5751,
0.3816

 27.4815, 0.5418,
0.3926

 30.8396, 0.5114,
0.3949

 34.7937, 0.4786,
0.3923

 39.3760, 0.4459,
0.3859

 44.6162, 0.4151,
0.3769

■ 50.5414, 0.3873,
0.3667

■ 57.1772, 0.3627,
0.3560

■ 64.5477, 0.3414,
0.3454

■ 72.6758, 0.3231,
0.3352

Harmonies

Analogous

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



24.6810, 0.5530, 0.3058



24.6810, 0.5671, 0.3849



24.6810, 0.4998, 0.4765

Triad

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



24.6810, 0.5671, 0.3849



24.6810, 0.1751, 0.4487



24.6810, 0.1884, 0.1491

Complementary

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



24.6810, 0.5671, 0.3849



25.3738, 0.1893, 0.1994

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.



24.6810, 0.1285, 0.1497



24.6810, 0.5671, 0.3849



24.6810, 0.1183, 0.2826

Square

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



24.6810, 0.5671, 0.3849



24.6810, 0.2770, 0.5816



24.6810, 0.1063, 0.1869



24.6810, 0.2969, 0.1782

Rectangle

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



24.6810, 0.5671, 0.3849



24.6810, 0.4309, 0.5398



24.6810, 0.1063, 0.1869



24.6810, 0.1635, 0.1459

Sweetspot

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



24.6824, 0.5671, 0.3849



70.5998, 0.3690, 0.3589



18.8585, 0.4434, 0.2232



14.3322, 0.3795, 0.3635



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.



24.6824, 0.5671, 0.3849



30.2192, 0.5761, 0.3808



59.5024, 0.4402, 0.4871



15.2827, 0.3283, 0.3382



13.8337, 0.5723, 0.3838



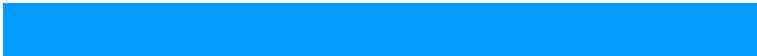
1.1984, 0.5453, 0.4052

Inverse Universe

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



25.3738, 0.1893, 0.1994



30.9342, 0.1871, 0.1935



6.8436, 0.1538, 0.0710



15.3457, 0.2981, 0.3196



14.1865, 0.1880, 0.1966



1.2275, 0.1939, 0.2180

Previews

White Background



This preview shows how the Yxy color 24.6810, 0.5671, 0.3849 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 24.6810, 0.5671, 0.3849 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 24.6810, 0.5671, 0.3849

Background



This preview shows how black text looks on a background with the Yxy color 24.6810, 0.5671, 0.3849.



This preview shows how white text looks on a background with the Yxy color 24.6810, 0.5671, 0.3849.

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

24.6810, 0.5671, 0.3849

Protanopia

24.8273, 0.4337, 0.4799

Deuteranopia

24.8495, 0.4710, 0.4642



Tritanopia

24.5956, 0.5043, 0.3236

Trichromacy



Original Color

24.6810, 0.5671, 0.3849

Protanomaly

23.5422, 0.4879, 0.4418

Deuteranomaly

24.0666, 0.5096, 0.4323

Tritanomaly

24.4831, 0.5388, 0.3550

Monochromacy



Original Color

24.6810, 0.5671, 0.3849

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.4304, 0.4208, 0.3797

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6810, 0.5671, 0.3849 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(229, 94, 8)` looks like.

```
.text, #text, p{  
    color:rgb(229, 94, 8)  
}
```

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(229, 94, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 94, 8) }
```

Border

The CSS property to change the border of an element to Yxy 24.6810, 0.5671, 0.3849 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(229, 94, 8) }
```

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

```
.border{ border-color:rgb(229, 94, 8) }
```

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

Here you see how a box with a 4 pixel rgb(229, 94, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 94, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 94, 8);  
box-shadow:4px 4px 4px 4px rgb(229, 94, 8)  
}
```


Background

The CSS property to change the background color of an element to Yxy 24.6810, 0.5671, 0.3849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 94, 8) }
```

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

```
.background{ background-color: rgb(229, 94,  
8) }
```

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