

Converting Colors

$Yxy(24.2648, 0.5814, 0.3766)$

Have a look what the booklet for
Yxy(24.2648, 0.5814, 0.3766)
contains.

Yxy(24.3177, 0.5817, 0.3763)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.3177, 0.5817, 0.3763)

Conversions

Conversions Part 1

Format	Color
Hex	EB5600
RGB	235, 86, 0
RGB Percent	92%, 34%, 0%
CMY	0.0784, 0.6628, 0.9998
CMYK	0.00, 0.63, 1.00, 0.08
HSL	22°, 100%, 46%
HSV	22°, 100%, 92%
XYZ	37.5913, 24.3177, 2.7142
YIQ	120.7470, 116.4100, 4.8420

Conversions

Conversions Part 2

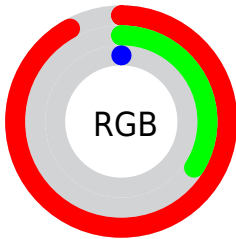
Format	Color
R_{YB}	235, 136, 0
Decimal	15422976
CIE _{Lab}	56.40, 54.93, 66.41
CIE _{LCh}	56, 86.184, 50.406
Yxy	24.3177, 0.5817, 0.3763
Android (android.graphics.Color)	4293613056 (0xFFEB5600)
YUV	120.7470, -59.5283, 100.1999
Hunter-Lab	49.3130, 49.7729, 31.2558

Details

The Yxy color **24.3177, 0.5817, 0.3763** 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 **27.5170, 0.1896, 0.2026**, and the grayscale version is **19.2048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.6799, 0.5050, 0.3975**, and **9.2413, 0.6255, 0.3415** is the 20% darker color. If you saturate the color by 10%, you get **24.3126, 0.5817, 0.3763**, and if you desaturate by 10%, it is **27.0164, 0.5575, 0.3855**.

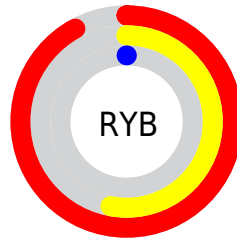
Distribution



Red (92%)

Green (34%)

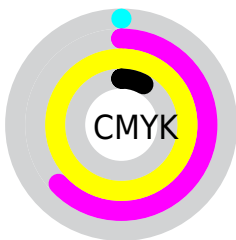
Blue (0%)



Red (92%)

Yellow (53%)

Blue (0%)

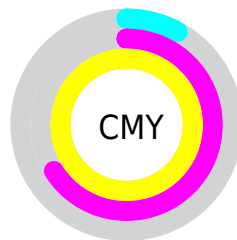


Cyan (0%)

Magenta (63%)

Yellow (100%)

Black (8%)



Cyan (8%)


Magenta (66%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3177, 0.5817, 0.3763 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 24.3177, 0.5817, 0.3763 by changing the saturation by 10% instead.


 24.3177, 0.5817,
0.3763


 24.3177, 0.5817,
0.3763


274.4228, 0.4456,
0.3738


 15.5695, 0.6100,
0.3675


 50.5481, 0.5353,
0.3822


 9.2200, 0.6462,
0.3538


 68.7991, 0.5166,
0.3823


 4.8850, 0.6764,
0.3236

 90.9865, 0.5005,
0.3815

 2.1799, 0.7199,
0.2801

 117.4946, 0.4865,
0.3803

 0.7090, 0.7885,
0.2115

 148.7079, 0.4742,
0.3787

 0.0000, 1.0000,
0.0000


 185.0108, 0.4635,


 0.0000, 0.0000,


0.3771

0.0000


 226.7876, 0.4540,
0.3754


 24.3177, 0.5817,
0.3763


 24.3177, 0.5817,
0.3763


 24.3126, 0.5817,
0.3763

 27.0164, 0.5575,
0.3855

 30.3161, 0.5277,
0.3901

 34.2688, 0.4942,
0.3897

 38.9133, 0.4601,
0.3850

 44.2849, 0.4275,
0.3773

■ 50.4158, 0.3978,
0.3680

■ 57.3361, 0.3715,
0.3580

■ 65.0743, 0.3488,
0.3479

■ 73.6572, 0.3293,
0.3382

Harmonies

Analogous

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



24.3177, 0.5622, 0.2965



24.3177, 0.5817, 0.3763



24.3177, 0.5124, 0.4710

Triad

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



24.3177, 0.5817, 0.3763



24.3177, 0.1727, 0.4715



24.3177, 0.1760, 0.1405

Complementary

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



24.3177, 0.5817, 0.3763



27.5170, 0.1896, 0.2026

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.



24.3177, 0.1180, 0.1430



24.3177, 0.5817, 0.3763



24.3177, 0.1116, 0.2885

Square

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



24.3177, 0.5817, 0.3763



24.3177, 0.2802, 0.6043



24.3177, 0.0976, 0.1836



24.3177, 0.2851, 0.1682

Rectangle

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



24.3177, 0.5817, 0.3763



24.3177, 0.4404, 0.5402



24.3177, 0.0976, 0.1836



24.3177, 0.1516, 0.1379

Sweetspot

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



24.3191, 0.5817, 0.3763



68.8692, 0.3719, 0.3582



19.9576, 0.4360, 0.2175



13.9619, 0.3826, 0.3624



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.



24.3191, 0.5817, 0.3763



29.1363, 0.5825, 0.3757



58.8644, 0.4490, 0.4817



15.9562, 0.3284, 0.3377



13.7523, 0.5789, 0.3786



1.2577, 0.5526, 0.3994

Inverse Universe

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



27.5170, 0.1896, 0.2026



32.9653, 0.1894, 0.2020



7.2191, 0.1530, 0.0708



16.1417, 0.2981, 0.3202



15.5604, 0.1902, 0.2047



1.4041, 0.1955, 0.2239

Previews

White Background



This preview shows how the Yxy color 24.3177, 0.5817, 0.3763 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 24.3177, 0.5817, 0.3763 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 24.3177, 0.5817, 0.3763

Background



This preview shows how black text looks on a background with the Yxy color 24.3177, 0.5817, 0.3763.



This preview shows how white text looks on a background with the Yxy color 24.3177, 0.5817, 0.3763.

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

24.3177, 0.5817, 0.3763

Protanopia

24.4466, 0.4337, 0.4796

Deuteranopia

24.3584, 0.4703, 0.4648



Tritanopia

24.3977, 0.5254, 0.3251

Trichromacy



Original Color

24.3177, 0.5817, 0.3763

Protanomaly

23.0586, 0.4953, 0.4377

Deuteranomaly

23.2796, 0.5171, 0.4276

Tritanomaly

24.1338, 0.5584, 0.3521

Monochromacy



Original Color

24.3177, 0.5817, 0.3763

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.9423, 0.4313, 0.3782

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3177, 0.5817, 0.3763 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(235, 86, 0)` looks like.

```
.text, #text, p{  
    color:rgb(235, 86, 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(235, 86, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 86, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.3177, 0.5817, 0.3763 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(235, 86, 0) }
```

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

```
.border{ border-color:rgb(235, 86, 0) }
```

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

Here you see how a box with a 4 pixel rgb(235, 86, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 86, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 86, 0);  
box-shadow:4px 4px 4px 4px rgb(235, 86, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 24.3177, 0.5817, 0.3763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 86, 0) }
```

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

```
.background{ background-color: rgb(235, 86,  
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