

Converting Colors

$Y_{xy}(23.8010, 0.5770, 0.3801)$

Have a look what the booklet for
Yxy(23.8010, 0.5770, 0.3801)
contains.

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Color

Yxy(23.8024, 0.5769, 0.3801)

Conversions

Conversions Part 1

Format	Color
Hex	E65800
RGB	230, 88, 0
RGB Percent	90%, 35%, 0%
CMY	0.0980, 0.6549, 0.9996
CMYK	0.00, 0.62, 1.00, 0.10
HSL	23°, 100%, 45%
HSV	23°, 100%, 90%
XYZ	36.1263, 23.8024, 2.6927
YIQ	120.4260, 112.8800, 2.7360

Conversions

Conversions Part 2

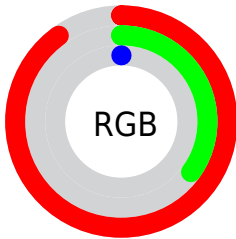
Format	Color
RYB	230, 143, 0
Decimal	15095808
CIELab	55.89, 52.32, 65.68
CIELCh	56, 83.969, 51.460
Yxy	23.8024, 0.5769, 0.3801
Android (android.graphics.Color)	4293285888 (0xFFE65800)
YUV	120.4260, -59.3700, 96.0964
Hunter-Lab	48.7877, 46.7971, 30.8790

Details

The Yxy color **23.8024, 0.5769, 0.3801** 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 **25.0926, 0.1880, 0.1968**, and the grayscale version is **19.0966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2751, 0.5031, 0.3994**, and **9.0355, 0.6199, 0.3460** is the 20% darker color. If you saturate the color by 10%, you get **23.7944, 0.5770, 0.3801**, and if you desaturate by 10%, it is **26.4297, 0.5530, 0.3891**.

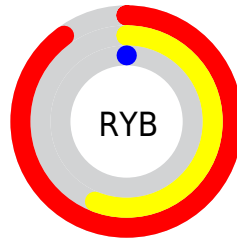
Distribution



Red (90%)

Green (35%)

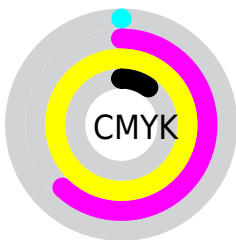
Blue (0%)



Red (90%)

Yellow (56%)

Blue (0%)

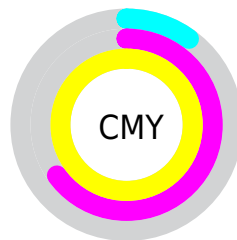


Cyan (0%)

Magenta (62%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (65%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8024, 0.5769, 0.3801 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 23.8024, 0.5769, 0.3801 by changing the saturation by 10% instead.


 23.8024, 0.5769,
0.3801


 23.8024, 0.5769,
0.3801


271.8200, 0.4426,
0.3749

 15.1871, 0.6050,
0.3720


 49.7076, 0.5309,
0.3850


 8.9508, 0.6410,
0.3590


 67.7662, 0.5125,
0.3847

 4.7091, 0.6710,
0.3290

 89.7414, 0.4966,
0.3836

 2.0776, 0.7144,
0.2856

 116.0176, 0.4828,
0.3821

 0.6520, 0.7863,
0.2137

 146.9792, 0.4707,
0.3803

 0.0000, 1.0000,
0.0000


 183.0105, 0.4602,


 0.0000, 0.0000,

0.3785

0.0000


 224.4959, 0.4509,
0.3767

 23.8024, 0.5769,
0.3801


 23.8024, 0.5769,
0.3801


 23.7944, 0.5770,
0.3801

 26.4297, 0.5530,
0.3891

 29.6084, 0.5238,
0.3934

 33.3857, 0.4912,
0.3925

 37.7965, 0.4579,
0.3874

 42.8721, 0.4260,
0.3794

■ 48.6416, 0.3969,
0.3697

■ 55.1319, 0.3710,
0.3592

■ 62.3685, 0.3485,
0.3487

■ 70.3754, 0.3292,
0.3385

Harmonies

Analogous

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



23.8024, 0.5605, 0.3003



23.8024, 0.5769, 0.3801



23.8024, 0.5073, 0.4742

Triad

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



23.8024, 0.5769, 0.3801



23.8024, 0.1722, 0.4619



23.8024, 0.1808, 0.1432

Complementary

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



23.8024, 0.5769, 0.3801



25.0926, 0.1880, 0.1968

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.



23.8024, 0.1216, 0.1447



23.8024, 0.5769, 0.3801



23.8024, 0.1131, 0.2846

Square

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



23.8024, 0.5769, 0.3801



23.8024, 0.2777, 0.5969



23.8024, 0.1002, 0.1837



23.8024, 0.2905, 0.1717

Rectangle

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



23.8024, 0.5769, 0.3801



23.8024, 0.4360, 0.5416



23.8024, 0.1002, 0.1837



23.8024, 0.1560, 0.1403

Sweetspot

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



23.8038, 0.5769, 0.3801



69.4833, 0.3715, 0.3594



18.8932, 0.4425, 0.2212



14.1055, 0.3821, 0.3639



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.



23.8038, 0.5769, 0.3801



29.9006, 0.5779, 0.3793



57.8360, 0.4453, 0.4846



15.2667, 0.3283, 0.3380



13.6881, 0.5742, 0.3823



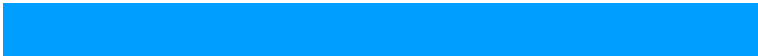
1.1866, 0.5469, 0.4039

Inverse Universe

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



25.0926, 0.1880, 0.1968



31.5061, 0.1878, 0.1959



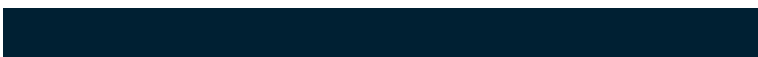
6.6812, 0.1525, 0.0690



15.3622, 0.2981, 0.3198



14.4416, 0.1886, 0.1990



1.2454, 0.1945, 0.2200

Previews

White Background



This preview shows how the Yxy color 23.8024, 0.5769, 0.3801 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 23.8024, 0.5769, 0.3801 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 23.8024, 0.5769, 0.3801

Background



This preview shows how black text looks on a background with the Yxy color 23.8024, 0.5769, 0.3801.



This preview shows how white text looks on a background with the Yxy color 23.8024, 0.5769, 0.3801.

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

23.8024, 0.5769, 0.3801

Protanopia

24.0652, 0.4341, 0.4799

Deuteranopia

23.9844, 0.4706, 0.4645



Tritanopia

23.8785, 0.5171, 0.3248

Trichromacy



Original Color

23.8024, 0.5769, 0.3801

Protanomaly

22.6947, 0.4922, 0.4400

Deuteranomaly

23.0167, 0.5153, 0.4290

Tritanomaly

23.6054, 0.5524, 0.3542

Monochromacy



Original Color

23.8024, 0.5769, 0.3801

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.7205, 0.4300, 0.3803

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8024, 0.5769, 0.3801 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(230, 88, 0)` looks like.

```
.text, #text, p{  
    color:rgb(230, 88, 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(230, 88, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 88, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.8024, 0.5769, 0.3801 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(230, 88, 0) }
```

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

```
.border{ border-color:rgb(230, 88, 0) }
```

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

Here you see how a box with a 4 pixel rgb(230, 88, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 88, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 88, 0);  
box-shadow:4px 4px 4px 4px rgb(230, 88, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.8024, 0.5769, 0.3801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 88, 0) }
```

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

```
.background{ background-color: rgb(230, 88,  
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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