

Converting Colors

$Y_{xy}(23.8278, 0.6086, 0.3862)$

Have a look what the booklet for
Yxy(23.8278, 0.6086, 0.3862)
contains.

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Color

Yxy(23.8894, 0.5883, 0.3711)

Conversions

Conversions Part 1

Format	Color
Hex	ED5100
RGB	237, 81, 0
RGB Percent	93%, 32%, 0%
CMY	0.0705, 0.6824, 1.0000
CMYK	0.00, 0.66, 1.00, 0.07
HSL	21°, 100%, 46%
HSV	21°, 100%, 93%
XYZ	37.8716, 23.8894, 2.6136
YIQ	118.4100, 118.9770, 7.8810

Conversions

Conversions Part 2

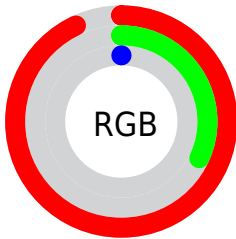
Format	Color
RYB	237, 123, 0
Decimal	15552768
CIELab	55.98, 57.68, 66.41
CIElCh	56, 87.959, 49.021
Yxy	23.8894, 0.5883, 0.3711
Android (android.graphics.Color)	4293742848 (0xFFED5100)
YUV	118.4100, -58.3761, 104.0034
Hunter-Lab	48.8768, 52.7741, 31.0433

Details

The Yxy color **23.8894, 0.5883, 0.3711** 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 **29.9008, 0.1920, 0.2112**, and the grayscale version is **18.4108, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5215, 0.5090, 0.3936**, and **9.0585, 0.6340, 0.3348** is the 20% darker color. If you saturate the color by 10%, you get **23.8909, 0.5883, 0.3711**, and if you desaturate by 10%, it is **26.5466, 0.5637, 0.3805**.

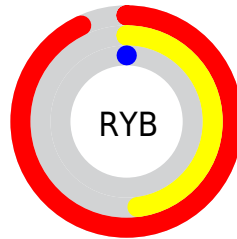
Distribution



Red (93%)

Green (32%)

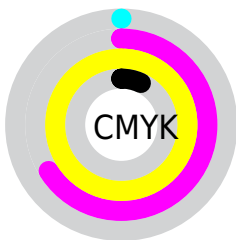
Blue (0%)



Red (93%)

Yellow (48%)

Blue (0%)

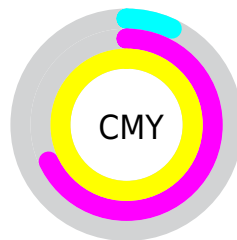


Cyan (0%)

Magenta (66%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (68%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8894, 0.5883, 0.3711 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 23.8894, 0.5883, 0.3711 by changing the saturation by 10% instead.


 23.8894, 0.5883,
0.3711


 23.8894, 0.5883,
0.3711


272.2608, 0.4486,
0.3720


 15.2516, 0.6174,
0.3613


 49.8497, 0.5406,
0.3784


 8.9962, 0.6540,
0.3460

 67.9409, 0.5215,
0.3790


 4.7387, 0.6855,
0.3145

 89.9521, 0.5049,
0.3786

 2.0948, 0.7307,
0.2693

 116.2676, 0.4906,
0.3777

 0.6617, 0.8027,
0.1973

 147.2718, 0.4780,
0.3764


 0.0000, 1.0000,
0.0000


 183.3492, 0.4670,


 0.0000, 0.0000,


0.3750


0.0000


 224.8841, 0.4573,
0.3735

 23.8894, 0.5883,
0.3711


 23.8894, 0.5883,
0.3711


 23.8909, 0.5883,
0.3711

 26.5466, 0.5637,
0.3805

 29.8476, 0.5329,
0.3855

 33.8495, 0.4983,
0.3854

 38.5957, 0.4630,
0.3813

 44.1251, 0.4294,
0.3743

■ 50.4736, 0.3989,
0.3656

■ 57.6747, 0.3722,
0.3562

■ 65.7600, 0.3491,
0.3467

■ 74.7592, 0.3294,
0.3376

Harmonies

Analogous

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



23.8894, 0.5645, 0.2913



23.8894, 0.5883, 0.3711



23.8894, 0.5194, 0.4667

Triad

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



23.8894, 0.5883, 0.3711



23.8894, 0.1733, 0.4850



23.8894, 0.1695, 0.1368

Complementary

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



23.8894, 0.5883, 0.3711



29.9008, 0.1920, 0.2112

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.



23.8894, 0.1131, 0.1406



23.8894, 0.5883, 0.3711



23.8894, 0.1095, 0.2938

Square

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



23.8894, 0.5883, 0.3711



23.8894, 0.2834, 0.6141



23.8894, 0.0941, 0.1834



23.8894, 0.2778, 0.1633

Rectangle

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



23.8894, 0.5883, 0.3711



23.8894, 0.4464, 0.5384



23.8894, 0.0941, 0.1834



23.8894, 0.1457, 0.1345

Sweetspot

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



23.8909, 0.5883, 0.3711



67.9855, 0.3725, 0.3563



20.4764, 0.4294, 0.2139



13.7557, 0.3834, 0.3603



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.



23.8909, 0.5883, 0.3711



28.0985, 0.5890, 0.3706



58.1736, 0.4527, 0.4787



15.8955, 0.3284, 0.3371



13.2606, 0.5853, 0.3735



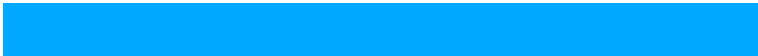
1.2142, 0.5586, 0.3947

Inverse Universe

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



29.9008, 0.1920, 0.2112



35.1749, 0.1919, 0.2107



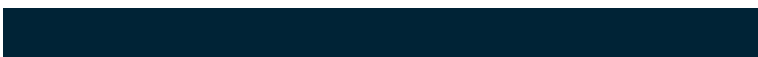
7.5997, 0.1536, 0.0728



16.2048, 0.2981, 0.3208



16.5755, 0.1926, 0.2133



1.4790, 0.1976, 0.2312

Previews

White Background



This preview shows how the Yxy color 23.8894, 0.5883, 0.3711 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 23.8894, 0.5883, 0.3711 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 23.8894, 0.5883, 0.3711

Background



This preview shows how black text looks on a background with the Yxy color 23.8894, 0.5883, 0.3711.



This preview shows how white text looks on a background with the Yxy color 23.8894, 0.5883, 0.3711.

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

23.8894, 0.5883, 0.3711

Protanopia

24.0735, 0.4333, 0.4788

Deuteranopia

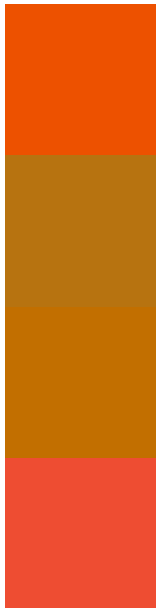
23.9844, 0.4706, 0.4645



Tritanopia

23.9474, 0.5384, 0.3262

Trichromacy



Original Color

23.8894, 0.5883, 0.3711

Protanomaly

22.3662, 0.4994, 0.4337

Deuteranomaly

22.8382, 0.5201, 0.4252

Tritanomaly

23.7152, 0.5679, 0.3499

Monochromacy



Original Color

23.8894, 0.5883, 0.3711

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.1882, 0.4355, 0.3768

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8894, 0.5883, 0.3711 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(237, 81, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 81, 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(237, 81, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 81, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.8894, 0.5883, 0.3711 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(237, 81, 0) }
```

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

```
.border{ border-color:rgb(237, 81, 0) }
```

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

Here you see how a box with a 4 pixel rgb(237, 81, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 81, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 81, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 81, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.8894, 0.5883, 0.3711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 81, 0) }
```

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

```
.background{ background-color: rgb(237, 81,  
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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