

Converting Colors

$Yxy(23.5851, 0.5846, 0.3996)$

Have a look what the booklet for
Yxy(23.5851, 0.5846, 0.3996)
contains.

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Color

Yxy(23.8363, 0.5680, 0.3872)

Conversions

Conversions Part 1

Format	Color
Hex	E15D00
RGB	225, 93, 0
RGB Percent	88%, 36%, 0%
CMY	0.1176, 0.6353, 1.0000
CMYK	0.00, 0.59, 1.00, 0.12
HSL	25°, 100%, 44%
HSV	25°, 100%, 88%
XYZ	34.9665, 23.8363, 2.7579
YIQ	121.8660, 108.5250, -0.9390

Conversions

Conversions Part 2

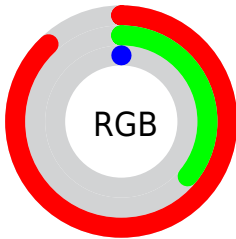
Format	Color
RYB	225, 159, 0
Decimal	14769408
CIELab	55.92, 48.25, 65.27
CIElCh	56, 81.170, 53.525
Yxy	23.8363, 0.5680, 0.3872
Android (android.graphics.Color)	4292959488 (0xFFE15D00)
YUV	121.8660, -60.0799, 90.4485
Hunter-Lab	48.8224, 42.4019, 30.8265

Details

The Yxy color **23.8363, 0.5680, 0.3872** 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 **21.9394, 0.1849, 0.1858**, and the grayscale version is **19.5907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5091, 0.4985, 0.4027**, and **9.0281, 0.6077, 0.3557** is the 20% darker color. If you saturate the color by 10%, you get **23.8371, 0.5680, 0.3872**, and if you desaturate by 10%, it is **26.4184, 0.5449, 0.3957**.

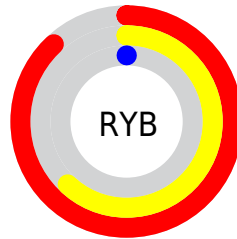
Distribution



Red (88%)

Green (36%)

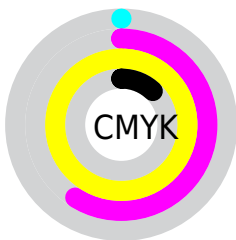
Blue (0%)



Red (88%)

Yellow (62%)

Blue (0%)

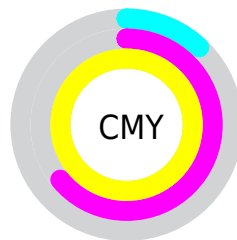


Cyan (0%)

Magenta (59%)

Yellow (100%)

Black (12%)



Cyan (12%)

Magenta (64%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8363, 0.5680, 0.3872 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 23.8363, 0.5680, 0.3872 by changing the saturation by 10% instead.


 23.8363, 0.5680,
0.3872


 23.8363, 0.5680,
0.3872


271.9918, 0.4381,
0.3772


 15.2122, 0.5953,
0.3804


 49.7629, 0.5234,
0.3901


 8.9685, 0.6306,
0.3694


 67.8343, 0.5056,
0.3891


 4.7206, 0.6591,
0.3409

 89.8235, 0.4902,
0.3875

 2.0843, 0.7008,
0.2992

 116.1151, 0.4769,
0.3855

 0.6558, 0.7713,
0.2287

 147.0932, 0.4653,
0.3834

 0.0000, 1.0000,
0.0000

 183.1425, 0.4551,

 0.0000, 0.0000,

0.3813


0.0000


 224.6472, 0.4461,
0.3792

 23.8363, 0.5680,
0.3872

 23.8363, 0.5680,
0.3872

 23.8371, 0.5680,
0.3872

 26.4184, 0.5449,
0.3957

 29.4879, 0.5171,
0.3994

 33.0866, 0.4861,
0.3979

 37.2441, 0.4543,
0.3921

 41.9873, 0.4237,
0.3833

■ 47.3407, 0.3955,
0.3728

■ 53.3274, 0.3703,
0.3616

■ 59.9690, 0.3483,
0.3503

■ 67.2860, 0.3291,
0.3393

Harmonies

Analogous

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



23.8363, 0.5574, 0.3076



23.8363, 0.5680, 0.3872



23.8363, 0.4978, 0.4799

Triad

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



23.8363, 0.5680, 0.3872



23.8363, 0.1711, 0.4444



23.8363, 0.1900, 0.1483

Complementary

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



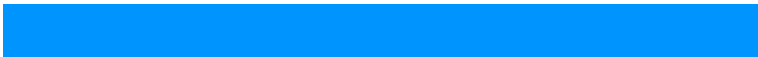
23.8363, 0.5680, 0.3872



21.9394, 0.1849, 0.1858

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.



23.8363, 0.1284, 0.1479



23.8363, 0.5680, 0.3872



23.8363, 0.1158, 0.2776

Square

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



23.8363, 0.5680, 0.3872



23.8363, 0.2725, 0.5828



23.8363, 0.1051, 0.1837



23.8363, 0.3008, 0.1784

Rectangle

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



23.8363, 0.5680, 0.3872



23.8363, 0.4277, 0.5439



23.8363, 0.1051, 0.1837



23.8363, 0.1645, 0.1448

Sweetspot

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



23.8377, 0.5680, 0.3872



70.6472, 0.3708, 0.3618



17.7574, 0.4561, 0.2286



14.3782, 0.3812, 0.3666



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.



23.8377, 0.5680, 0.3872



31.4453, 0.5692, 0.3863



58.4853, 0.4383, 0.4902



14.6265, 0.3282, 0.3387



13.9536, 0.5653, 0.3894



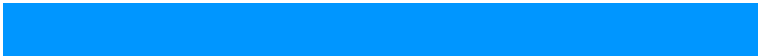
1.1406, 0.5376, 0.4113

Inverse Universe

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



21.9394, 0.1849, 0.1858



28.9046, 0.1847, 0.1847



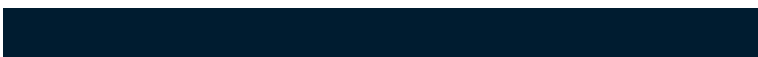
6.0297, 0.1516, 0.0658



14.5729, 0.2981, 0.3191



12.8774, 0.1856, 0.1881



1.0679, 0.1922, 0.2120

Previews

White Background



This preview shows how the Yxy color 23.8363, 0.5680, 0.3872 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 23.8363, 0.5680, 0.3872 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 23.8363, 0.5680, 0.3872

Background



This preview shows how black text looks on a background with the Yxy color 23.8363, 0.5680, 0.3872.



This preview shows how white text looks on a background with the Yxy color 23.8363, 0.5680, 0.3872.

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

23.8363, 0.5680, 0.3872

Protanopia

24.0613, 0.4345, 0.4805

Deuteranopia

23.9844, 0.4706, 0.4645



Tritanopia

23.9200, 0.5021, 0.3244

Trichromacy



Original Color

23.8363, 0.5680, 0.3872

Protanomaly

23.0484, 0.4886, 0.4436

Deuteranomaly

23.2086, 0.5104, 0.4329

Tritanomaly

23.6293, 0.5399, 0.3571

Monochromacy



Original Color

23.8363, 0.5680, 0.3872

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.2899, 0.4233, 0.3823

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8363, 0.5680, 0.3872 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(225, 93, 0)` looks like.

```
.text, #text, p{  
    color:rgb(225, 93, 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(225, 93, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 93, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.8363, 0.5680, 0.3872 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(225, 93, 0) }
```

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

```
.border{ border-color:rgb(225, 93, 0) }
```

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

Here you see how a box with a 4 pixel rgb(225, 93, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 93, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 93, 0);  
box-shadow:4px 4px 4px 4px rgb(225, 93, 0)  
}
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 23.8363, 0.5680, 0.3872$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 93, 0) }
```

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

```
.background{ background-color: rgb(225, 93,  
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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