

Converting Colors

$Yxy(23.0324, 0.5710, 0.3849)$

Have a look what the booklet for
Yxy(23.0324, 0.5710, 0.3849)
contains.

Yxy(23.0003, 0.5707, 0.3851)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(23.0003, 0.5707, 0.3851)

Conversions

Conversions Part 1

Format	Color
Hex	DF5A00
RGB	223, 90, 0
RGB Percent	87%, 35%, 0%
CMY	0.1255, 0.6470, 1.0000
CMYK	0.00, 0.60, 1.00, 0.13
HSL	24°, 100%, 44%
HSV	24°, 100%, 87%
XYZ	34.0854, 23.0003, 2.6399
YIQ	119.5070, 108.1580, 0.2060

Conversions

Conversions Part 2

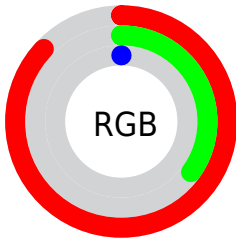
Format	Color
RYB	223, 151, 0
Decimal	14637568
CIELab	55.07, 48.89, 64.65
CIElCh	55, 81.055, 52.907
Yxy	23.0003, 0.5707, 0.3851
Android (android.graphics.Color)	4292827648 (0xFFDF5A00)
YUV	119.5070, -58.9170, 90.7634
Hunter-Lab	47.9586, 42.9367, 30.3074

Details

The Yxy color **23.0003, 0.5707, 0.3851** 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 **22.0953, 0.1859, 0.1893**, and the grayscale version is **18.7846, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5767, 0.5021, 0.4004**, and **8.5730, 0.6121, 0.3522** is the 20% darker color. If you saturate the color by 10%, you get **23.0018, 0.5707, 0.3851**, and if you desaturate by 10%, it is **25.5089, 0.5472, 0.3937**.

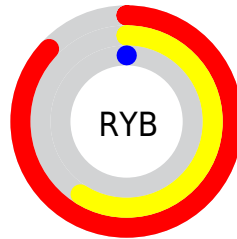
Distribution



Red (87%)

Green (35%)

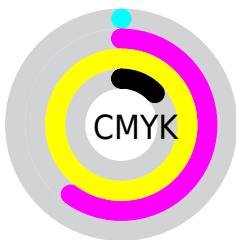
Blue (0%)



Red (87%)

Yellow (59%)

Blue (0%)

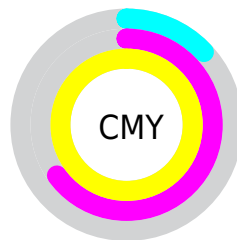


Cyan (0%)

Magenta (60%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (65%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0003, 0.5707, 0.3851 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 23.0003, 0.5707, 0.3851 by changing the saturation by 10% instead.


 23.0003, 0.5707,
0.3851

 23.0003, 0.5707,
0.3851


267.7265, 0.4387,
0.3763

 14.5937, 0.5986,
0.3778


 48.3938, 0.5253,
0.3886


 8.5348, 0.6343,
0.3657


 66.1496, 0.5071,
0.3878

 4.4390, 0.6639,
0.3361


 87.7905, 0.4915,
0.3863

 1.9220, 0.7074,
0.2926

 113.7010, 0.4779,
0.3844

 0.5616, 0.7869,
0.2131

 144.2654, 0.4662,
0.3824


 0.0000, 1.0000,
0.0000

 179.8682, 0.4558,


 0.0000, 0.0000,


0.3803


0.0000

 220.8938, 0.4467,
0.3783


 23.0003, 0.5707,
0.3851


 23.0003, 0.5707,
0.3851


 23.0018, 0.5707,
0.3851

 25.5089, 0.5472,
0.3937

 28.5054, 0.5190,
0.3976

 32.0318, 0.4875,
0.3962

 36.1183, 0.4553,
0.3906

 40.7918, 0.4243,
0.3821

■ 46.0773, 0.3959,
0.3718

■ 51.9980, 0.3705,
0.3608

■ 58.5758, 0.3483,
0.3498

■ 65.8315, 0.3292,
0.3391

Harmonies

Analogous

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



23.0003, 0.5584, 0.3054



23.0003, 0.5707, 0.3851



23.0003, 0.5006, 0.4783

Triad

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



23.0003, 0.5707, 0.3851



23.0003, 0.1714, 0.4496



23.0003, 0.1872, 0.1468

Complementary

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



23.0003, 0.5707, 0.3851



22.0953, 0.1859, 0.1893

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.



23.0003, 0.1264, 0.1469



23.0003, 0.5707, 0.3851



23.0003, 0.1150, 0.2796

Square

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



23.0003, 0.5707, 0.3851



23.0003, 0.2740, 0.5871



23.0003, 0.1036, 0.1836



23.0003, 0.2978, 0.1764

Rectangle

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



23.0003, 0.5707, 0.3851



23.0003, 0.4302, 0.5433



23.0003, 0.1036, 0.1836



23.0003, 0.1619, 0.1434

Sweetspot

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



23.0018, 0.5707, 0.3851



70.2828, 0.3710, 0.3611



17.4021, 0.4560, 0.2286



14.2927, 0.3814, 0.3658



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.



23.0018, 0.5707, 0.3851



30.9482, 0.5719, 0.3841



57.3166, 0.4383, 0.4902



14.6043, 0.3282, 0.3385



13.7342, 0.5680, 0.3872



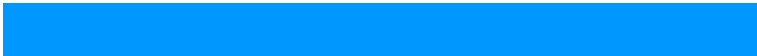
1.1242, 0.5400, 0.4094

Inverse Universe

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



22.0953, 0.1859, 0.1893



29.6965, 0.1856, 0.1882



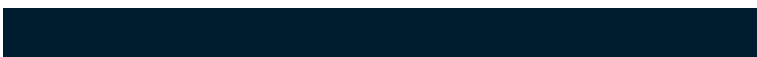
5.9126, 0.1516, 0.0659



14.5957, 0.2981, 0.3193



13.2200, 0.1866, 0.1915



1.0906, 0.1930, 0.2149

Previews

White Background



This preview shows how the Yxy color 23.0003, 0.5707, 0.3851 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 23.0003, 0.5707, 0.3851 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 23.0003, 0.5707, 0.3851

Background



This preview shows how black text looks on a background with the Yxy color 23.0003, 0.5707, 0.3851.



This preview shows how white text looks on a background with the Yxy color 23.0003, 0.5707, 0.3851.

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

23.0003, 0.5707, 0.3851

Protanopia

23.2225, 0.4334, 0.4809

Deuteranopia

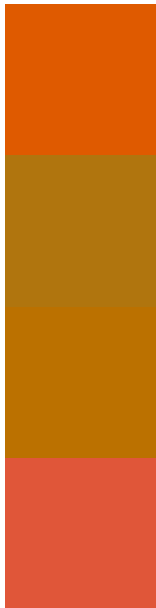
23.1372, 0.4701, 0.4649



Tritanopia

23.0695, 0.5067, 0.3245

Trichromacy



Original Color

23.0003, 0.5707, 0.3851

Protanomaly

21.9844, 0.4898, 0.4423

Deuteranomaly

22.3751, 0.5106, 0.4328

Tritanomaly

22.7983, 0.5435, 0.3560

Monochromacy



Original Color

23.0003, 0.5707, 0.3851

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.6272, 0.4250, 0.3829

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0003, 0.5707, 0.3851 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(223, 90, 0)` looks like.

```
.text, #text, p{  
    color:rgb(223, 90, 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(223, 90, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 90, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.0003, 0.5707, 0.3851 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(223, 90, 0) }
```

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

```
.border{ border-color:rgb(223, 90, 0) }
```

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

Here you see how a box with a 4 pixel rgb(223, 90, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 90, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 90, 0);  
box-shadow:4px 4px 4px 4px rgb(223, 90, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.0003, 0.5707, 0.3851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 90, 0) }
```

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

```
.background{ background-color: rgb(223, 90,  
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