

Converting Colors

$Y_{xy}(23.9052, 0.6056, 0.3573)$

Have a look what the booklet for
Yxy(23.9052, 0.6056, 0.3573)
contains.

Yxy(23.7885, 0.6059, 0.3571)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(23.7885, 0.6059, 0.3571)$

Conversions

Conversions Part 1

Format	Color
Hex	F74300
RGB	247, 67, 0
RGB Percent	97%, 26%, 0%
CMY	0.0314, 0.7371, 0.9999
CMYK	0.00, 0.73, 1.00, 0.03
HSL	16°, 100%, 48%
HSV	16°, 100%, 97%
XYZ	40.3625, 23.7885, 2.4648
YIQ	113.1820, 128.7870, 17.3230

Conversions

Conversions Part 2

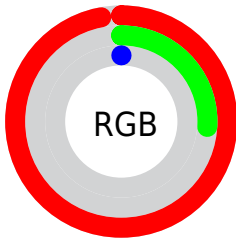
Format	Color
RYB	247, 92, 0
Decimal	16204544
CIELab	55.88, 66.02, 67.35
CIELCh	56, 94.306, 45.572
Yxy	23.7885, 0.6059, 0.3571
Android (android.graphics.Color)	4294394624 (0xFFFF74300)
YUV	113.1820, -55.7987, 117.3584
Hunter-Lab	48.7735, 62.3643, 31.1452

Details

The Yxy color **23.7885, 0.6059, 0.3571** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **39.3500, 0.1991, 0.2366**, and the grayscale version is **16.7154, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.5406, 0.5205, 0.3835**, and **9.8238, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **23.7881, 0.6059, 0.3571**, and if you desaturate by 10%, it is **26.3423, 0.5810, 0.3663**.

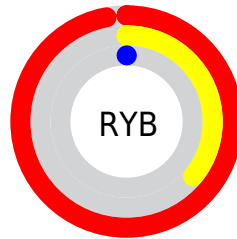
Distribution



Red (97%)

Green (26%)

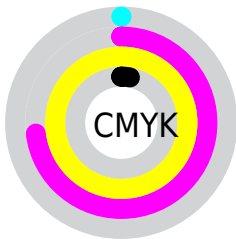
Blue (0%)



Red (97%)

Yellow (36%)

Blue (0%)

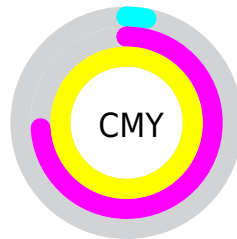


Cyan (0%)

Magenta (73%)

Yellow (100%)

Black (3%)



Cyan (3%)

Magenta (74%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.7885, 0.6059, 0.3571 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 23.7885, 0.6059, 0.3571 by changing the saturation by 10% instead.


 23.7885, 0.6059,
0.3571


 23.7885, 0.6059,
0.3571


271.7495, 0.4579,
0.3674

 15.1768, 0.6364,
0.3449


 49.6848, 0.5557,
0.3682

 8.9436, 0.6738,
0.3262


 67.7383, 0.5355,
0.3701

 4.7044, 0.7077,
0.2923

 89.7078, 0.5179,
0.3708

 2.0749, 0.7552,
0.2448

 115.9777, 0.5026,
0.3707

 0.6504, 0.8281,
0.1719

 146.9324, 0.4893,
0.3702

 0.0000, 1.0000,
0.0000

 182.9563, 0.4775,

 0.0000, 0.0000,


0.3694

0.0000

 224.4339, 0.4672,
0.3684

 23.7885, 0.6059,
0.3571


 23.7885, 0.6059,
0.3571

 23.7881, 0.6059,
0.3571

 26.3423, 0.5810,
0.3663

 29.7027, 0.5481,
0.3720

 33.9481, 0.5103,
0.3731

 39.1402, 0.4716,
0.3704

 45.3347, 0.4351,
0.3651

■ 52.5825, 0.4023,
0.3583

■ 60.9310, 0.3739,
0.3507

■ 70.4246, 0.3499,
0.3432

■ 81.1052, 0.3296,
0.3359

Harmonies

Analogous

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



23.7885, 0.5704, 0.2774



23.7885, 0.6059, 0.3571



23.7885, 0.5384, 0.4549

Triad

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



23.7885, 0.6059, 0.3571



23.7885, 0.1743, 0.5228



23.7885, 0.1528, 0.1271

Complementary

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



23.7885, 0.6059, 0.3571



39.3500, 0.1991, 0.2366

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.



23.7885, 0.1006, 0.1341



23.7885, 0.6059, 0.3571



23.7885, 0.1037, 0.3089

Square

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



23.7885, 0.6059, 0.3571



23.7885, 0.2908, 0.6383



23.7885, 0.0847, 0.1829



23.7885, 0.2584, 0.1507

Rectangle

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



23.7885, 0.6059, 0.3571



23.7885, 0.4631, 0.5331



23.7885, 0.0847, 0.1829



23.7885, 0.1305, 0.1258

Sweetspot

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



23.7899, 0.6059, 0.3571



65.4592, 0.3741, 0.3508



23.1143, 0.4040, 0.1999



13.1686, 0.3855, 0.3540



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.



23.7899, 0.6059, 0.3571



25.5393, 0.6062, 0.3569



56.3240, 0.4686, 0.4661



17.2140, 0.3287, 0.3355



12.7826, 0.6030, 0.3594



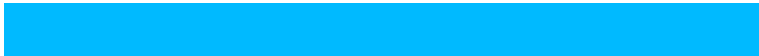
1.2872, 0.5787, 0.3787

Inverse Universe

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



39.3500, 0.1991, 0.2366



42.2592, 0.1990, 0.2365



9.7055, 0.1564, 0.0830



17.9528, 0.2980, 0.3224



21.0597, 0.1995, 0.2383



2.0208, 0.2031, 0.2510

Previews

White Background



This preview shows how the Yxy color 23.7885, 0.6059, 0.3571 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 23.7885, 0.6059, 0.3571 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 23.7885, 0.6059, 0.3571

Background



This preview shows how black text looks on a background with the Yxy color 23.7885, 0.6059, 0.3571.



This preview shows how white text looks on a background with the Yxy color 23.7885, 0.6059, 0.3571.

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

23.7885, 0.6059, 0.3571

Protanopia

23.9911, 0.4309, 0.4778

Deuteranopia

23.8734, 0.4695, 0.4654



Tritanopia

23.8931, 0.5695, 0.3284

Trichromacy



Original Color

23.7885, 0.6059, 0.3571

Protanomaly

21.6346, 0.5090, 0.4246

Deuteranomaly

22.1784, 0.5302, 0.4172

Tritanomaly

23.7833, 0.5912, 0.3434

Monochromacy



Original Color

23.7885, 0.6059, 0.3571

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.5150, 0.4499, 0.3668

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7885, 0.6059, 0.3571 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(247, 67, 0)` looks like.

```
.text, #text, p{  
    color:rgb(247, 67, 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(247, 67, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 67, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.7885, 0.6059, 0.3571 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(247, 67, 0) }
```

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

```
.border{ border-color:rgb(247, 67, 0) }
```

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

Here you see how a box with a 4 pixel rgb(247, 67, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 67, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 67, 0);  
box-shadow:4px 4px 4px 4px rgb(247, 67, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.7885, 0.6059, 0.3571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 67, 0) }
```

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

```
.background{ background-color: rgb(247, 67,  
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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