

Converting Colors

$Y_{xy}(23.0929, 0.5946, 0.3661)$

Have a look what the booklet for
Yxy(23.0929, 0.5946, 0.3661)
contains.

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Color

Yxy(23.0367, 0.5948, 0.3659)

Conversions

Conversions Part 1

Format	Color
Hex	ED4B00
RGB	237, 75, 0
RGB Percent	93%, 29%, 0%
CMY	0.0705, 0.7060, 0.9998
CMYK	0.00, 0.68, 1.00, 0.07
HSL	19°, 100%, 46%
HSV	19°, 100%, 93%
XYZ	37.4480, 23.0367, 2.4743
YIQ	114.8880, 120.6270, 11.0190

Conversions

Conversions Part 2

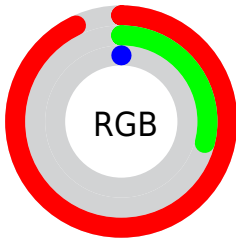
Format	Color
R_{YB}	237, 110, 0
Decimal	15551232
CIE _{Lab}	55.11, 60.04, 65.95
CIE _{LCh}	55, 89.190, 47.687
Yxy	23.0367, 0.5948, 0.3659
Android (android.graphics.Color)	4293741312 (0xFFED4B00)
YUV	114.8880, -56.6398, 107.0922
Hunter-Lab	47.9966, 55.2758, 30.5411

Details

The Yxy color **23.0367, 0.5948, 0.3659** 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 **31.9941, 0.1946, 0.2206**, and the grayscale version is **17.2559, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1214, 0.5146, 0.3893**, and **8.7707, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **23.0328, 0.5948, 0.3659**, and if you desaturate by 10%, it is **25.5878, 0.5698, 0.3753**.

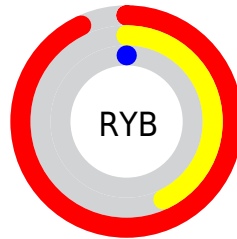
Distribution



Red (93%)

Green (29%)

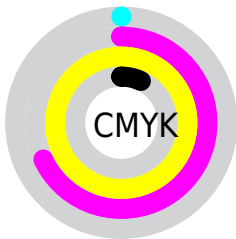
Blue (0%)



Red (93%)

Yellow (43%)

Blue (0%)

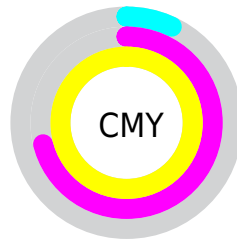


Cyan (0%)

Magenta (68%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (71%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0367, 0.5948, 0.3659 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 23.0367, 0.5948, 0.3659 by changing the saturation by 10% instead.


 23.0367, 0.5948,
0.3659


 23.0367, 0.5948,
0.3659

267.9134, 0.4512,
0.3701


 14.6206, 0.6249,
0.3551


 48.4536, 0.5457,
0.3747


 8.5536, 0.6620,
0.3380


 66.2232, 0.5260,
0.3757


 4.4512, 0.6952,
0.3048

 87.8794, 0.5090,
0.3757

 1.9290, 0.7425,
0.2575

 113.8066, 0.4942,
0.3751

 0.5657, 0.8224,
0.1776

 144.3892, 0.4813,
0.3740

 0.0000, 1.0000,
0.0000

 180.0116, 0.4700,

 0.0000, 0.0000,


0.3728

0.0000


 221.0582, 0.4600,
0.3715

 23.0367, 0.5948,
0.3659


 23.0367, 0.5948,
0.3659


 23.0328, 0.5948,
0.3659

 25.5878, 0.5698,
0.3753

 28.8157, 0.5382,
0.3805

 32.7820, 0.5024,
0.3809

 37.5339, 0.4659,
0.3773

 43.1143, 0.4313,
0.3709

■ 49.5624, 0.4000,
0.3629

■ 56.9150, 0.3727,
0.3542

■ 65.2063, 0.3493,
0.3454

■ 74.4689, 0.3294,
0.3369

Harmonies

Analogous

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



23.0367, 0.5666, 0.2861



23.0367, 0.5948, 0.3659



23.0367, 0.5265, 0.4624

Triad

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



23.0367, 0.5948, 0.3659



23.0367, 0.1738, 0.4987



23.0367, 0.1632, 0.1332

Complementary

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



23.0367, 0.5948, 0.3659



31.9941, 0.1946, 0.2206

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.



23.0367, 0.1084, 0.1382



23.0367, 0.5948, 0.3659



23.0367, 0.1074, 0.2993

Square

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



23.0367, 0.5948, 0.3659



23.0367, 0.2864, 0.6234



23.0367, 0.0906, 0.1833



23.0367, 0.2705, 0.1586

Rectangle

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



23.0367, 0.5948, 0.3659



23.0367, 0.4527, 0.5365



23.0367, 0.0906, 0.1833



23.0367, 0.1400, 0.1313

Sweetspot

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



23.0381, 0.5948, 0.3659



67.0583, 0.3731, 0.3543



20.7610, 0.4164, 0.2067



13.5398, 0.3841, 0.3580



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.



23.0381, 0.5948, 0.3659



27.0887, 0.5955, 0.3654



54.6768, 0.4604, 0.4726



15.8312, 0.3285, 0.3365



12.7799, 0.5919, 0.3682



1.1706, 0.5648, 0.3897

Inverse Universe

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



31.9941, 0.1946, 0.2206



37.6387, 0.1945, 0.2201



8.1855, 0.1549, 0.0777



16.2720, 0.2981, 0.3214



17.7057, 0.1951, 0.2225



1.5617, 0.1997, 0.2390

Previews

White Background



This preview shows how the Yxy color 23.0367, 0.5948, 0.3659 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 23.0367, 0.5948, 0.3659 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 23.0367, 0.5948, 0.3659

Background



This preview shows how black text looks on a background with the Yxy color 23.0367, 0.5948, 0.3659.



This preview shows how white text looks on a background with the Yxy color 23.0367, 0.5948, 0.3659.

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

23.0367, 0.5948, 0.3659

Protanopia

23.2348, 0.4322, 0.4791

Deuteranopia

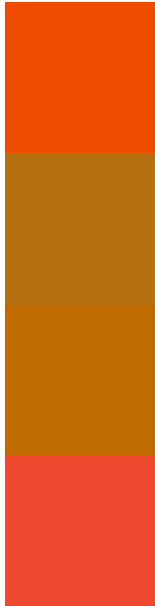
23.1372, 0.4701, 0.4649



Tritanopia

23.0385, 0.5490, 0.3272

Trichromacy



Original Color

23.0367, 0.5948, 0.3659

Protanomaly

21.4495, 0.5018, 0.4315

Deuteranomaly

21.7219, 0.5243, 0.4219

Tritanomaly

23.0091, 0.5760, 0.3481

Monochromacy



Original Color

23.0367, 0.5948, 0.3659

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.9663, 0.4404, 0.3725

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0367, 0.5948, 0.3659 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, 75, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 75, 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, 75, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 75, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.0367, 0.5948, 0.3659 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, 75, 0) }
```

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

```
.border{ border-color:rgb(237, 75, 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, 75, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 75, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 75, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 75, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.0367, 0.5948, 0.3659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 75, 0) }
```

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

```
.background{ background-color: rgb(237, 75,  
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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