

Converting Colors

$Y_{xy}(23.5602, 0.5859, 0.3707)$

Have a look what the booklet for
Yxy(23.5602, 0.5859, 0.3707)
contains.

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Color

Yxy(23.5602, 0.5859, 0.3707)

Conversions

Conversions Part 1

Format	Color
Hex	EB5106
RGB	235, 81, 6
RGB Percent	92%, 32%, 2%
CMY	0.0784, 0.6823, 0.9763
CMYK	0.00, 0.66, 0.97, 0.08
HSL	20°, 95%, 47%
HSV	20°, 97%, 92%
XYZ	37.2374, 23.5602, 2.7583
YIQ	118.4960, 115.8590, 9.3230

Conversions

Conversions Part 2

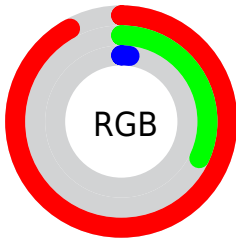
Format	Color
RYB	235, 118, 6
Decimal	15421702
CIELab	55.64, 57.05, 64.79
CIElCh	56, 86.324, 48.634
Yxy	23.5602, 0.5859, 0.3707
Android (android.graphics.Color)	4293611782 (0xFFEB5106)
YUV	118.4960, -55.4605, 102.1740
Hunter-Lab	48.5389, 51.9965, 30.6079

Details

The Yxy color **23.5602, 0.5859, 0.3707** 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 **31.1930, 0.1947, 0.2197**, and the grayscale version is **18.4337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5447, 0.5076, 0.3923**, and **8.8601, 0.6333, 0.3353** is the 20% darker color. If you saturate the color by 10%, you get **22.9622, 0.5919, 0.3682**, and if you desaturate by 10%, it is **26.2687, 0.5596, 0.3794**.

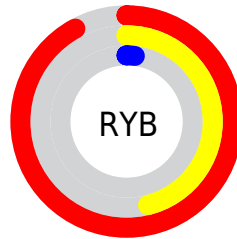
Distribution



Red (92%)

Green (32%)

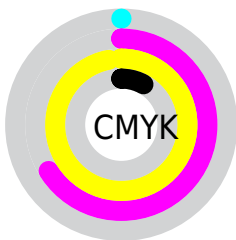
Blue (2%)



Red (92%)

Yellow (46%)

Blue (2%)

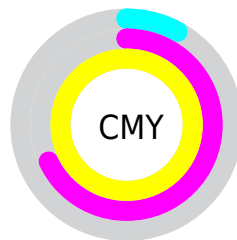


Cyan (0%)

Magenta (66%)

Yellow (97%)

Black (8%)



Cyan (8%)


Magenta (68%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.5602, 0.5859, 0.3707 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 23.5602, 0.5859, 0.3707 by changing the saturation by 10% instead.


 23.5602, 0.5859,
0.3707


 23.5602, 0.5859,
0.3707


270.5894, 0.4464,
0.3709


 15.0077, 0.6154,
0.3612


 49.3116, 0.5380,
0.3776


 8.8248, 0.6533,
0.3467


 67.2792, 0.5188,
0.3781


 4.6271, 0.6851,
0.3149

 89.1540, 0.5023,
0.3776

 2.0302, 0.7306,
0.2694

 115.3204, 0.4880,
0.3766

 0.6249, 0.8053,
0.1947

 146.1627, 0.4755,
0.3753


 0.0000, 1.0000,
0.0000

 182.0654, 0.4646,

 0.0000, 0.0000,

0.3739

0.0000

 223.4128, 0.4550,
0.3724


 23.5602, 0.5859,
0.3707


 23.5602, 0.5859,
0.3707

 22.9622, 0.5919,
0.3682

 26.2687, 0.5596,
0.3794

 29.6453, 0.5270,
0.3832

 33.7412, 0.4912,
0.3823

 38.5999, 0.4555,
0.3776

 44.2606, 0.4221,
0.3703

■ 50.7596, 0.3922,
0.3618

■ 58.1308, 0.3661,
0.3527

■ 66.4062, 0.3438,
0.3437

■ 75.6159, 0.3249,
0.3351

Harmonies

Analogous

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



23.5602, 0.5602, 0.2912



23.5602, 0.5859, 0.3707



23.5602, 0.5193, 0.4651

Triad

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



23.5602, 0.5859, 0.3707



23.5602, 0.1764, 0.4850



23.5602, 0.1700, 0.1383

Complementary

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



23.5602, 0.5859, 0.3707



31.1930, 0.1947, 0.2197

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.



23.5602, 0.1144, 0.1426



23.5602, 0.5859, 0.3707



23.5602, 0.1120, 0.2967

Square

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



23.5602, 0.5859, 0.3707



23.5602, 0.2862, 0.6102



23.5602, 0.0959, 0.1861



23.5602, 0.2766, 0.1644

Rectangle

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



23.5602, 0.5859, 0.3707



23.5602, 0.4476, 0.5356



23.5602, 0.0959, 0.1861



23.5602, 0.1465, 0.1363

Sweetspot

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



23.5616, 0.5859, 0.3707



68.3861, 0.3703, 0.3543



20.4203, 0.4194, 0.2094



13.8125, 0.3813, 0.3582



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.



23.5616, 0.5859, 0.3707



27.5215, 0.5927, 0.3676



55.8279, 0.4549, 0.4758



15.8595, 0.3285, 0.3368



12.9862, 0.5890, 0.3705



1.1895, 0.5621, 0.3919

Inverse Universe

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



31.1930, 0.1947, 0.2197



36.5396, 0.1933, 0.2160



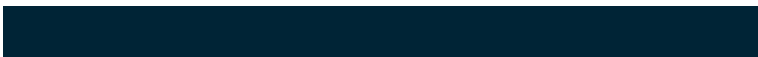
8.1528, 0.1557, 0.0787



16.2424, 0.2981, 0.3211



17.2017, 0.1940, 0.2185



1.5249, 0.1988, 0.2356

Previews

White Background



This preview shows how the Yxy color 23.5602, 0.5859, 0.3707 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 23.5602, 0.5859, 0.3707 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 23.5602, 0.5859, 0.3707

Background



This preview shows how black text looks on a background with the Yxy color 23.5602, 0.5859, 0.3707.



This preview shows how white text looks on a background with the Yxy color 23.5602, 0.5859, 0.3707.

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

23.5602, 0.5859, 0.3707

Protanopia

23.6997, 0.4334, 0.4785

Deuteranopia

23.6138, 0.4709, 0.4643



Tritanopia

23.6012, 0.5369, 0.3262

Trichromacy



Original Color

23.5602, 0.5859, 0.3707

Protanomaly

22.2502, 0.4977, 0.4337

Deuteranomaly

22.4937, 0.5202, 0.4243

Tritanomaly

23.3886, 0.5650, 0.3490

Monochromacy



Original Color

23.5602, 0.5859, 0.3707

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.2303, 0.4314, 0.3723

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5602, 0.5859, 0.3707 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(235, 81, 6)` looks like.

```
.text, #text, p{  
    color:rgb(235, 81, 6)  
}
```

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(235, 81, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 81, 6) }
```

Border

The CSS property to change the border of an element to Yxy 23.5602, 0.5859, 0.3707 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(235, 81, 6) }
```

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

```
.border{ border-color:rgb(235, 81, 6) }
```

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

Here you see how a box with a 4 pixel rgb(235, 81, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 81, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 81, 6);  
box-shadow:4px 4px 4px 4px rgb(235, 81, 6)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.5602, 0.5859, 0.3707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 81, 6) }
```

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

```
.background{ background-color: rgb(235, 81,  
6) }
```

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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