

Converting Colors

$Y_{xy}(20.6883, 0.6108, 0.3532)$

Have a look what the booklet for
Yxy(20.6883, 0.6108, 0.3532)
contains.

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Color

Yxy(20.6883, 0.6108, 0.3532)

Conversions

Conversions Part 1

Format	Color
Hex	EB3A00
RGB	235, 58, 0
RGB Percent	92%, 23%, 0%
CMY	0.0784, 0.7726, 0.9998
CMYK	0.00, 0.75, 1.00, 0.08
HSL	15°, 100%, 46%
HSV	15°, 100%, 92%
XYZ	35.7769, 20.6883, 2.1087
YIQ	104.3110, 124.1100, 19.4860

Conversions

Conversions Part 2

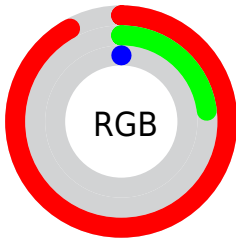
Format	Color
RYB	235, 77, 0
Decimal	15415808
CIELab	52.61, 65.30, 64.58
CIELCh	53, 91.837, 44.683
Yxy	20.6883, 0.6108, 0.3532
Android (android.graphics.Color)	4293605888 (0xFFEB3A00)
YUV	104.3110, -51.4253, 114.6143
Hunter-Lab	45.4844, 60.8061, 29.0904

Details

The Yxy color **20.6883, 0.6108, 0.3532** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **37.4655, 0.2016, 0.2458**, and the grayscale version is **14.0479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5431, 0.5306, 0.3777**, and **8.4350, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.6864, 0.6108, 0.3532**, and if you desaturate by 10%, it is **22.8555, 0.5858, 0.3620**.

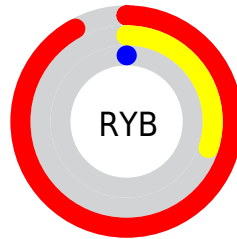
Distribution



Red (92%)

Green (23%)

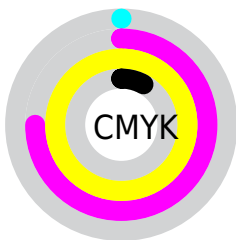
Blue (0%)



Red (92%)

Yellow (30%)

Blue (0%)

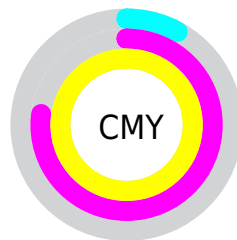


Cyan (0%)

Magenta (75%)

Yellow (100%)

Black (8%)



Cyan (8%)


Magenta (77%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6883, 0.6108, 0.3532 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 20.6883, 0.6108, 0.3532 by changing the saturation by 10% instead.


 20.6883, 0.6108,
0.3532


 20.6883, 0.6108,
0.3532


 255.6173, 0.4569,
0.3656


 12.8964, 0.6438,
0.3398


 44.5682, 0.5579,
0.3656

 7.3572, 0.6820,
0.3180


 61.4249, 0.5367,
0.3678


 3.6865, 0.7196,
0.2804

 82.0721, 0.5185,
0.3687

 1.4998, 0.7728,
0.2272

 106.8940, 0.5027,
0.3687

 0.2886, 0.8903,
0.1097

 136.2751, 0.4889,
0.3683


 0.0000, 1.0000,
0.0000


 170.5997, 0.4769,


 0.0000, 0.0000,

0.3676


0.0000

 210.2523, 0.4663,
0.3667


 20.6883, 0.6108,
0.3532


 20.6883, 0.6108,
0.3532


 20.6864, 0.6108,
0.3532

 22.8555, 0.5858,
0.3620

 25.7693, 0.5523,
0.3675

 29.5055, 0.5135,
0.3688

 34.1241, 0.4738,
0.3665

 39.6788, 0.4364,
0.3618

■ 46.2189, 0.4030,
0.3556

■ 53.7900, 0.3743,
0.3487

■ 62.4348, 0.3500,
0.3419

■ 72.1938, 0.3296,
0.3352

Harmonies

Analogous

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



20.6883, 0.5720, 0.2736



20.6883, 0.6108, 0.3532



20.6883, 0.5445, 0.4522

Triad

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



20.6883, 0.6108, 0.3532



20.6883, 0.1744, 0.5337



20.6883, 0.1484, 0.1244

Complementary

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



20.6883, 0.6108, 0.3532



37.4655, 0.2016, 0.2458

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.



20.6883, 0.0973, 0.1323



20.6883, 0.6108, 0.3532



20.6883, 0.1020, 0.3133

Square

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



20.6883, 0.6108, 0.3532



20.6883, 0.2925, 0.6444



20.6883, 0.0822, 0.1827



20.6883, 0.2532, 0.1473

Rectangle

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



20.6883, 0.6108, 0.3532



20.6883, 0.4681, 0.5319



20.6883, 0.0822, 0.1827



20.6883, 0.1265, 0.1234

Sweetspot

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



20.6896, 0.6108, 0.3532



64.5945, 0.3747, 0.3488



20.9676, 0.3916, 0.1931



12.9685, 0.3863, 0.3518



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.



20.6896, 0.6108, 0.3532



24.8033, 0.6115, 0.3526



47.3031, 0.4769, 0.4596



15.6575, 0.3287, 0.3349



11.6804, 0.6082, 0.3553



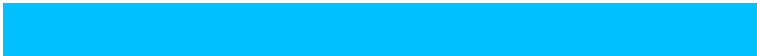
1.0651, 0.5813, 0.3766

Inverse Universe

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



37.4655, 0.2016, 0.2458



44.9656, 0.2015, 0.2454



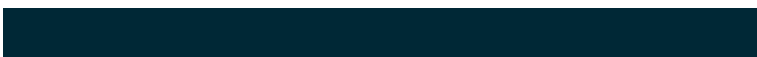
9.5208, 0.1583, 0.0900



16.4559, 0.2981, 0.3231



21.0580, 0.2020, 0.2473



1.8029, 0.2055, 0.2599

Previews

White Background



This preview shows how the Yxy color 20.6883, 0.6108, 0.3532 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 20.6883, 0.6108, 0.3532 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 20.6883, 0.6108, 0.3532

Background



This preview shows how black text looks on a background with the Yxy color 20.6883, 0.6108, 0.3532.



This preview shows how white text looks on a background with the Yxy color 20.6883, 0.6108, 0.3532.

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

20.6883, 0.6108, 0.3532

Protanopia

20.7516, 0.4314, 0.4758

Deuteranopia

20.8039, 0.4698, 0.4651



Tritanopia

20.7470, 0.5806, 0.3291

Trichromacy



Original Color

20.6883, 0.6108, 0.3532

Protanomaly

18.5779, 0.5131, 0.4207

Deuteranomaly

19.1142, 0.5353, 0.4131

Tritanomaly

20.6866, 0.5982, 0.3413

Monochromacy



Original Color

20.6883, 0.6108, 0.3532

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.8851, 0.4546, 0.3640

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6883, 0.6108, 0.3532 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, 58, 0)` looks like.

```
.text, #text, p{  
    color:rgb(235, 58, 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(235, 58, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 58, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.6883, 0.6108, 0.3532 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, 58, 0) }
```

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

```
.border{ border-color:rgb(235, 58, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 58, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 58, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 58, 0);  
box-shadow:4px 4px 4px 4px rgb(235, 58, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.6883, 0.6108, 0.3532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 58, 0) }
```

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

```
.background{ background-color: rgb(235, 58,  
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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