

Converting Colors

$Y_{xy}(22.9627, 0.5893, 0.3703)$

Have a look what the booklet for
Yxy(22.9627, 0.5893, 0.3703)
contains.

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Color

Yxy(22.9156, 0.5888, 0.3707)

Conversions

Conversions Part 1

Format	Color
Hex	E94F00
RGB	233, 79, 0
RGB Percent	91%, 31%, 0%
CMY	0.0863, 0.6901, 1.0000
CMYK	0.00, 0.66, 1.00, 0.09
HSL	20°, 100%, 46%
HSV	20°, 100%, 91%
XYZ	36.3979, 22.9156, 2.5036
YIQ	116.0400, 117.1430, 8.0790

Conversions

Conversions Part 2

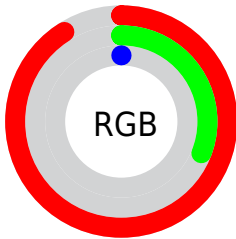
Format	Color
R_{YB}	233, 120, 0
Decimal	15290112
CIE _{Lab}	54.99, 57.12, 65.52
CIE _{LCh}	55, 86.920, 48.917
Yxy	22.9156, 0.5888, 0.3707
Android (android.graphics.Color)	4293480192 (0xFFE94F00)
YUV	116.0400, -57.2077, 102.5739
Hunter-Lab	47.8702, 51.9487, 30.4083

Details

The Yxy color **22.9156, 0.5888, 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 **28.9836, 0.1923, 0.2123**, and the grayscale version is **17.6327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9468, 0.5116, 0.3923**, and **8.5202, 0.6357, 0.3334** is the 20% darker color. If you saturate the color by 10%, you get **22.9170, 0.5888, 0.3707**, and if you desaturate by 10%, it is **25.4651, 0.5640, 0.3800**.

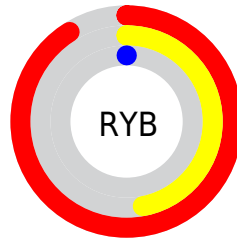
Distribution



Red (91%)

Green (31%)

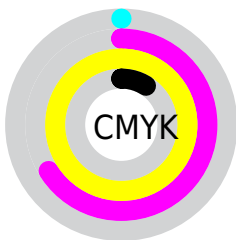
Blue (0%)



Red (91%)

Yellow (47%)

Blue (0%)

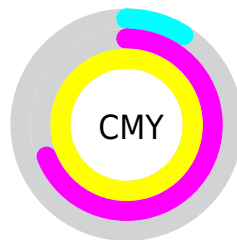


Cyan (0%)

Magenta (66%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (69%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9156, 0.5888, 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 22.9156, 0.5888, 0.3707 by changing the saturation by 10% instead.


 22.9156, 0.5888,
0.3707


 22.9156, 0.5888,
0.3707


267.2912, 0.4479,
0.3717


 14.5312, 0.6184,
0.3607


 48.2547, 0.5405,
0.3782


 8.4910, 0.6553,
0.3447


 65.9782, 0.5212,
0.3788

 4.4107, 0.6878,
0.3122

 87.5835, 0.5045,
0.3784

 1.9059, 0.7345,
0.2655

 113.4550, 0.4900,
0.3774

 0.5519, 0.8158,
0.1842

 143.9772, 0.4774,
0.3761


 0.0000, 1.0000,
0.0000


 179.5343, 0.4663,


 0.0000, 0.0000,


0.3747

0.0000


 220.5109, 0.4565,
0.3732


 22.9156, 0.5888,
0.3707

 22.9156, 0.5888,
0.3707

 22.9170, 0.5888,
0.3707

 25.4651, 0.5640,
0.3800

 28.6360, 0.5332,
0.3850

 32.4839, 0.4985,
0.3850

 37.0504, 0.4631,
0.3809

 42.3734, 0.4295,
0.3739

■ 48.4876, 0.3989,
0.3653

■ 55.4253, 0.3722,
0.3559

■ 63.2172, 0.3491,
0.3466

■ 71.8919, 0.3294,
0.3375

Harmonies

Analogous

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



22.9156, 0.5647, 0.2909



22.9156, 0.5888, 0.3707



22.9156, 0.5200, 0.4665

Triad

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



22.9156, 0.5888, 0.3707



22.9156, 0.1733, 0.4860



22.9156, 0.1690, 0.1365

Complementary

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



22.9156, 0.5888, 0.3707



28.9836, 0.1923, 0.2123

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.



22.9156, 0.1127, 0.1404



22.9156, 0.5888, 0.3707



22.9156, 0.1093, 0.2942

Square

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



22.9156, 0.5888, 0.3707



22.9156, 0.2836, 0.6148



22.9156, 0.0938, 0.1834



22.9156, 0.2772, 0.1630

Rectangle

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



22.9156, 0.5888, 0.3707



22.9156, 0.4470, 0.5383



22.9156, 0.0938, 0.1834



22.9156, 0.1453, 0.1343

Sweetspot

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



22.9170, 0.5888, 0.3707



67.8925, 0.3725, 0.3561



19.6995, 0.4293, 0.2139



13.7340, 0.3834, 0.3601



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.



22.9170, 0.5888, 0.3707



27.9935, 0.5896, 0.3700



55.9762, 0.4527, 0.4788



15.8891, 0.3284, 0.3370



13.2107, 0.5860, 0.3729



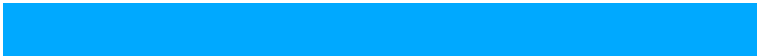
1.2098, 0.5592, 0.3942

Inverse Universe

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



28.9836, 0.1923, 0.2123



35.4154, 0.1921, 0.2117



7.3226, 0.1536, 0.0729



16.2115, 0.2981, 0.3208



16.6859, 0.1929, 0.2143



1.4871, 0.1978, 0.2320

Previews

White Background



This preview shows how the Yxy color 22.9156, 0.5888, 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 22.9156, 0.5888, 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 22.9156, 0.5888, 0.3707

Background



This preview shows how black text looks on a background with the Yxy color 22.9156, 0.5888, 0.3707.



This preview shows how white text looks on a background with the Yxy color 22.9156, 0.5888, 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

22.9156, 0.5888, 0.3707

Protanopia

23.2306, 0.4326, 0.4798

Deuteranopia

22.8827, 0.4716, 0.4637



Tritanopia

22.9258, 0.5381, 0.3270

Trichromacy



Original Color

22.9156, 0.5888, 0.3707

Protanomaly

21.5480, 0.4996, 0.4339

Deuteranomaly

21.8015, 0.5219, 0.4238

Tritanomaly

22.8831, 0.5675, 0.3503

Monochromacy



Original Color

22.9156, 0.5888, 0.3707

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.5658, 0.4361, 0.3758

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9156, 0.5888, 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(233, 79, 0)` looks like.

```
.text, #text, p{  
    color:rgb(233, 79, 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(233, 79, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 79, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.9156, 0.5888, 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(233, 79, 0) }
```

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

```
.border{ border-color:rgb(233, 79, 0) }
```

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

Here you see how a box with a 4 pixel rgb(233, 79, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 79, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 79, 0);  
box-shadow:4px 4px 4px 4px rgb(233, 79, 0)  
}
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.9156, 0.5888, 0.3707$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 79, 0) }
```

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

```
.background{ background-color: rgb(233, 79,  
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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