

Converting Colors

$Yxy(19.9194, 0.6134, 0.3511)$

Have a look what the booklet for
Yxy(19.9194, 0.6134, 0.3511)
contains.

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Color

Yxy(19.9620, 0.6138, 0.3508)

Conversions

Conversions Part 1

Format	Color
Hex	E93600
RGB	233, 54, 0
RGB Percent	91%, 21%, 0%
CMY	0.0862, 0.7883, 0.9997
CMYK	0.00, 0.77, 1.00, 0.09
HSL	14°, 100%, 46%
HSV	14°, 100%, 91%
XYZ	34.9278, 19.9620, 2.0144
YIQ	101.3650, 124.0180, 21.1540

Conversions

Conversions Part 2

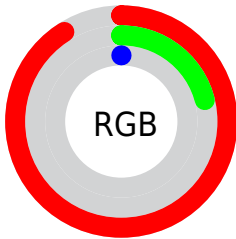
Format	Color
RYB	233, 70, 0
Decimal	15283712
CIELab	51.79, 65.92, 63.99
CIELCh	52, 91.870, 44.149
Yxy	19.9620, 0.6138, 0.3508
Android (android.graphics.Color)	4293473792 (0xFFE93600)
YUV	101.3650, -49.9729, 115.4439
Hunter-Lab	44.6789, 61.3548, 28.6020

Details

The Yxy color **19.9620, 0.6138, 0.3508** 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 **38.1704, 0.2032, 0.2513**, and the grayscale version is **13.2220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.8477, 0.5336, 0.3748**, and **8.2155, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.9573, 0.6139, 0.3508**, and if you desaturate by 10%, it is **22.0106, 0.5889, 0.3593**.

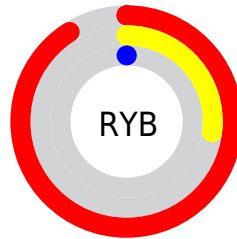
Distribution



Red (91%)

Green (21%)

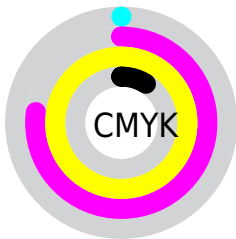
Blue (0%)



Red (91%)

Yellow (27%)

Blue (0%)

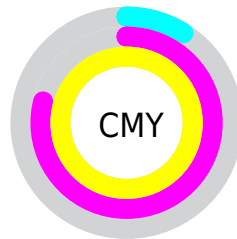


Cyan (0%)

Magenta (77%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (79%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9620, 0.6138, 0.3508 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 19.9620, 0.6138, 0.3508 by changing the saturation by 10% instead.


 19.9620, 0.6138,
0.3508


 19.9620, 0.6138,
0.3508


 251.7093, 0.4576,
0.3648


 12.3674, 0.6477,
0.3369


 43.3535, 0.5599,
0.3639


 6.9944, 0.6861,
0.3139


 59.9191, 0.5384,
0.3663

 3.4586, 0.7248,
0.2752


 80.2440, 0.5199,
0.3674

 1.3756, 0.7798,
0.2202

 104.7124, 0.5039,
0.3676

 0.1986, 0.9174,
0.0826

 133.7087, 0.4899,
0.3672

 0.0000, 1.0000,
0.0000


 167.6174, 0.4778,


 0.0000, 0.0000,


0.3666


0.0000

 206.8228, 0.4671,
0.3657

 19.9620, 0.6138,
0.3508

 19.9620, 0.6138,
0.3508


 19.9573, 0.6139,
0.3508

 22.0106, 0.5889,
0.3593

 24.8080, 0.5551,
0.3647

 28.4327, 0.5157,
0.3662

 32.9467, 0.4754,
0.3642

 38.4056, 0.4374,
0.3597

■ 44.8603, 0.4036,
0.3539

■ 52.3580, 0.3745,
0.3475

■ 60.9428, 0.3500,
0.3411

■ 70.6560, 0.3296,
0.3348

Harmonies

Analogous

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



19.9620, 0.5729, 0.2713



19.9620, 0.6138, 0.3508



19.9620, 0.5481, 0.4504

Triad

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



19.9620, 0.6138, 0.3508



19.9620, 0.1744, 0.5405



19.9620, 0.1457, 0.1228

Complementary

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



19.9620, 0.6138, 0.3508



38.1704, 0.2032, 0.2513

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.



19.9620, 0.0952, 0.1312



19.9620, 0.6138, 0.3508



19.9620, 0.1009, 0.3161

Square

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



19.9620, 0.6138, 0.3508



19.9620, 0.2934, 0.6481



19.9620, 0.0806, 0.1826



19.9620, 0.2500, 0.1452

Rectangle

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



19.9620, 0.6138, 0.3508



19.9620, 0.4701, 0.5299



19.9620, 0.0806, 0.1826



19.9620, 0.1240, 0.1220

Sweetspot

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



19.9632, 0.6138, 0.3508



64.0657, 0.3750, 0.3476



20.7281, 0.3857, 0.1899



12.8464, 0.3868, 0.3504



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.



19.9632, 0.6138, 0.3508



24.3888, 0.6146, 0.3502



44.9703, 0.4811, 0.4562



15.6196, 0.3287, 0.3345



11.4783, 0.6114, 0.3528



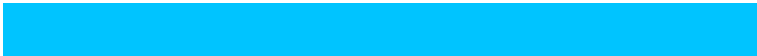
1.0444, 0.5848, 0.3739

Inverse Universe

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



38.1704, 0.2032, 0.2513



46.6962, 0.2030, 0.2509



9.7903, 0.1594, 0.0936



16.4965, 0.2981, 0.3234



21.8482, 0.2035, 0.2526



1.8590, 0.2068, 0.2644

Previews

White Background



This preview shows how the Yxy color 19.9620, 0.6138, 0.3508 looks on a white background.

Color Contrast Check

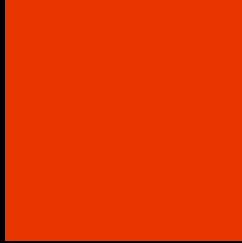
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9620, 0.6138, 0.3508 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 19.9620, 0.6138, 0.3508

Background



This preview shows how black text looks on a background with the Yxy color 19.9620, 0.6138, 0.3508.



This preview shows how white text looks on a background with the Yxy color 19.9620, 0.6138, 0.3508.

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

19.9620, 0.6138, 0.3508

Protanopia

20.0699, 0.4314, 0.4751

Deuteranopia

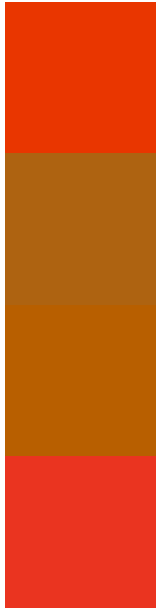
20.0248, 0.4693, 0.4655



Tritanopia

20.0991, 0.5860, 0.3298

Trichromacy



Original Color

19.9620, 0.6138, 0.3508

Protanomaly

17.9628, 0.5142, 0.4195

Deuteranomaly

18.3748, 0.5359, 0.4127

Tritanomaly

20.0527, 0.6019, 0.3408

Monochromacy



Original Color

19.9620, 0.6138, 0.3508

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.1004, 0.4568, 0.3629

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9620, 0.6138, 0.3508 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, 54, 0)` looks like.

```
.text, #text, p{  
    color:rgb(233, 54, 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, 54, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 54, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.9620, 0.6138, 0.3508 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, 54, 0) }
```

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

```
.border{ border-color:rgb(233, 54, 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, 54, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 54, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 54, 0);  
box-shadow:4px 4px 4px 4px rgb(233, 54, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.9620, 0.6138, 0.3508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 54, 0) }
```

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

```
.background{ background-color: rgb(233, 54,  
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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