

Converting Colors

$Y_{xy}(20.8105, 0.6278, 0.3688)$

Have a look what the booklet for
Yxy(20.8105, 0.6278, 0.3688)
contains.

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Color

Yxy(20.9997, 0.6081, 0.3554)

Conversions

Conversions Part 1

Format	Color
Hex	EB3D00
RGB	235, 61, 0
RGB Percent	92%, 24%, 0%
CMY	0.0784, 0.7608, 1.0000
CMYK	0.00, 0.74, 1.00, 0.08
HSL	16°, 100%, 46%
HSV	16°, 100%, 92%
XYZ	35.9311, 20.9997, 2.1567
YIQ	106.0720, 123.2850, 17.9170

Conversions

Conversions Part 2

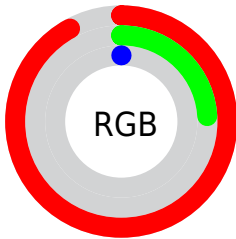
Format	Color
RYB	235, 82, 0
Decimal	15416576
CIELab	52.95, 64.34, 64.76
CIELCh	53, 91.290, 45.189
Yxy	20.9997, 0.6081, 0.3554
Android (android.graphics.Color)	4293606656 (0xFFEB3D00)
YUV	106.0720, -52.2935, 113.0699
Hunter-Lab	45.8254, 59.7650, 29.2874

Details

The Yxy color **20.9997, 0.6081, 0.3554** 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 **36.2717, 0.2003, 0.2411**, and the grayscale version is **14.5557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0299, 0.5279, 0.3790**, and **8.4350, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.0012, 0.6081, 0.3554**, and if you desaturate by 10%, it is **23.2336, 0.5830, 0.3643**.

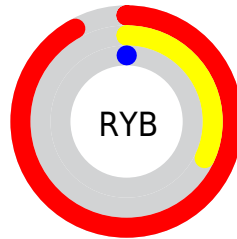
Distribution



Red (92%)

Green (24%)

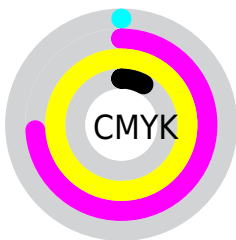
Blue (0%)



Red (92%)

Yellow (32%)

Blue (0%)

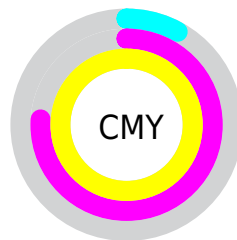


Cyan (0%)

Magenta (74%)

Yellow (100%)

Black (8%)



Cyan (8%)

Magenta (76%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9997, 0.6081, 0.3554 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 20.9997, 0.6081, 0.3554 by changing the saturation by 10% instead.


 20.9997, 0.6081,
0.3554


 20.9997, 0.6081,
0.3554


257.2769, 0.4559,
0.3664


 13.1238, 0.6406,
0.3424


 45.0870, 0.5558,
0.3672

 7.5138, 0.6787,
0.3213


 62.0672, 0.5348,
0.3692

 3.7855, 0.7155,
0.2845

 82.8510, 0.5168,
0.3699

 1.5543, 0.7679,
0.2321

 107.8227, 0.5012,
0.3698

 0.3265, 0.8788,
0.1212

 137.3668, 0.4876,
0.3693


 0.0000, 1.0000,
0.0000


 171.8675, 0.4757,


 0.0000, 0.0000,

0.3685


0.0000


 211.7095, 0.4652,
0.3675

 20.9997, 0.6081,
0.3554

 20.9997, 0.6081,
0.3554


 21.0012, 0.6081,
0.3554

 23.2336, 0.5830,
0.3643

 26.1986, 0.5498,
0.3699

 29.9678, 0.5115,
0.3710

 34.5982, 0.4724,
0.3686

 40.1410, 0.4355,
0.3635

■ 46.6433, 0.4025,
0.3569

■ 54.1488, 0.3740,
0.3498

■ 62.6984, 0.3499,
0.3425

■ 72.3307, 0.3296,
0.3355

Harmonies

Analogous

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



20.9997, 0.5712, 0.2758



20.9997, 0.6081, 0.3554



20.9997, 0.5414, 0.4540

Triad

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



20.9997, 0.6081, 0.3554



20.9997, 0.1742, 0.5276



20.9997, 0.1509, 0.1259

Complementary

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



20.9997, 0.6081, 0.3554



36.2717, 0.2003, 0.2411

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.



20.9997, 0.0991, 0.1333



20.9997, 0.6081, 0.3554



20.9997, 0.1029, 0.3107

Square

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



20.9997, 0.6081, 0.3554



20.9997, 0.2915, 0.6411



20.9997, 0.0836, 0.1828



20.9997, 0.2562, 0.1492

Rectangle

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



20.9997, 0.6081, 0.3554



20.9997, 0.4659, 0.5334



20.9997, 0.0836, 0.1828



20.9997, 0.1287, 0.1247

Sweetspot

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



21.0012, 0.6081, 0.3554



65.0466, 0.3744, 0.3499



20.8080, 0.3976, 0.1964



13.0730, 0.3859, 0.3529



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.



21.0012, 0.6081, 0.3554



25.1791, 0.6088, 0.3548



48.8141, 0.4726, 0.4629



15.6897, 0.3286, 0.3352



11.8626, 0.6053, 0.3575



1.0833, 0.5783, 0.3790

Inverse Universe

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



36.2717, 0.2003, 0.2411



43.5319, 0.2002, 0.2407



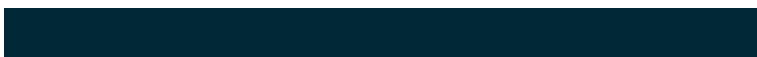
9.1010, 0.1574, 0.0866



16.4216, 0.2981, 0.3227



20.4029, 0.2008, 0.2427



1.7562, 0.2045, 0.2561

Previews

White Background



This preview shows how the Yxy color 20.9997, 0.6081, 0.3554 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 20.9997, 0.6081, 0.3554 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 20.9997, 0.6081, 0.3554

Background



This preview shows how black text looks on a background with the Yxy color 20.9997, 0.6081, 0.3554.



This preview shows how white text looks on a background with the Yxy color 20.9997, 0.6081, 0.3554.

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

20.9997, 0.6081, 0.3554

Protanopia

21.0975, 0.4314, 0.4761

Deuteranopia

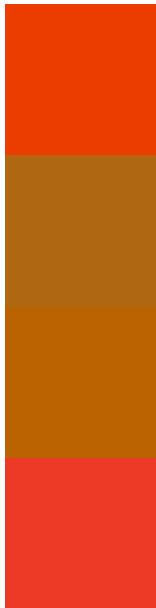
21.1483, 0.4695, 0.4654



Tritanopia

21.0749, 0.5741, 0.3284

Trichromacy



Original Color

20.9997, 0.6081, 0.3554

Protanomaly

18.9711, 0.5100, 0.4233

Deuteranomaly

19.4885, 0.5322, 0.4156

Tritanomaly

20.9989, 0.5935, 0.3419

Monochromacy



Original Color

20.9997, 0.6081, 0.3554

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.4899, 0.4512, 0.3672

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9997, 0.6081, 0.3554 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, 61, 0)` looks like.

```
.text, #text, p{  
    color:rgb(235, 61, 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, 61, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 61, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.9997, 0.6081, 0.3554 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, 61, 0) }
```

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

```
.border{ border-color:rgb(235, 61, 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, 61, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 61, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 61, 0);  
box-shadow:4px 4px 4px 4px rgb(235, 61, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.9997, 0.6081, 0.3554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 61, 0) }
```

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

```
.background{ background-color: rgb(235, 61,  
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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