

Converting Colors

$Y_{xy}(21.5387, 0.6089, 0.3547)$

Have a look what the booklet for
Yxy(21.5387, 0.6089, 0.3547)
contains.

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Color

Yxy(21.5146, 0.6089, 0.3547)

Conversions

Conversions Part 1

Format	Color
Hex	EE3D00
RGB	238, 61, 0
RGB Percent	93%, 24%, 0%
CMY	0.0666, 0.7608, 0.9998
CMYK	0.00, 0.74, 1.00, 0.07
HSL	15°, 100%, 47%
HSV	15°, 100%, 93%
XYZ	36.9333, 21.5146, 2.2079
YIQ	106.9690, 125.0730, 18.5530

Conversions

Conversions Part 2

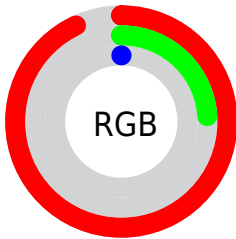
Format	Color
R_{YB}	238, 82, 0
Decimal	15613184
CIE _{Lab}	53.51, 65.26, 65.30
CIE _{LCh}	54, 92.322, 45.020
Yxy	21.5146, 0.6089, 0.3547
Android (android.graphics.Color)	4293803264 (0xFFEE3D00)
YUV	106.9690, -52.7357, 114.9142
Hunter-Lab	46.3838, 60.9596, 29.6465

Details

The Yxy color **21.5146, 0.6089, 0.3547** 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 **37.6570, 0.2007, 0.2424**, and the grayscale version is **14.8174, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.2717, 0.5269, 0.3799**, and **8.7707, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.5107, 0.6089, 0.3547**, and if you desaturate by 10%, it is **23.7930, 0.5839, 0.3636**.

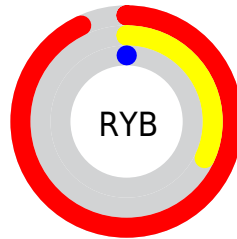
Distribution



Red (93%)

Green (24%)

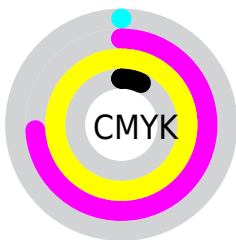
Blue (0%)



Red (93%)

Yellow (32%)

Blue (0%)

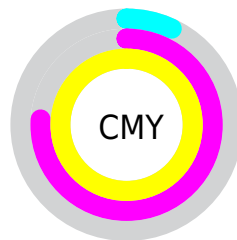


Cyan (0%)

Magenta (74%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (76%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.5146, 0.6089, 0.3547 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 21.5146, 0.6089, 0.3547 by changing the saturation by 10% instead.


 21.5146, 0.6089,
0.3547


 21.5146, 0.6089,
0.3547

260.0008, 0.4569,
0.3662


 13.5007, 0.6411,
0.3417


 45.9424, 0.5568,
0.3666


 7.7742, 0.6791,
0.3209


 63.1251, 0.5359,
0.3687


 3.9508, 0.7155,
0.2845


 84.1328, 0.5179,
0.3695

 1.6461, 0.7670,
0.2330

 109.3500, 0.5023,
0.3695

 0.3884, 0.8671,
0.1329

 139.1609, 0.4887,
0.3690


 0.0000, 1.0000,
0.0000


 173.9501, 0.4768,


 0.0000, 0.0000,


0.3682


0.0000


 214.1020, 0.4662,
0.3673


 21.5146, 0.6089,
0.3547


 21.5146, 0.6089,
0.3547


 21.5107, 0.6089,
0.3547

 23.7930, 0.5839,
0.3636

 26.8296, 0.5506,
0.3692

 30.6999, 0.5122,
0.3704

 35.4638, 0.4729,
0.3680

 41.1747, 0.4358,
0.3630

■ 47.8818, 0.4027,
0.3566

■ 55.6308, 0.3741,
0.3495

■ 64.4644, 0.3499,
0.3423

■ 74.4228, 0.3296,
0.3354

Harmonies

Analogous

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



21.5146, 0.5713, 0.2751



21.5146, 0.6089, 0.3547



21.5146, 0.5422, 0.4533

Triad

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



21.5146, 0.6089, 0.3547



21.5146, 0.1744, 0.5295



21.5146, 0.1501, 0.1254

Complementary

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



21.5146, 0.6089, 0.3547



37.6570, 0.2007, 0.2424

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.



21.5146, 0.0986, 0.1330



21.5146, 0.6089, 0.3547



21.5146, 0.1026, 0.3116

Square

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



21.5146, 0.6089, 0.3547



21.5146, 0.2919, 0.6421



21.5146, 0.0832, 0.1828



21.5146, 0.2552, 0.1486

Rectangle

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



21.5146, 0.6089, 0.3547



21.5146, 0.4666, 0.5329



21.5146, 0.0832, 0.1828



21.5146, 0.1280, 0.1244

Sweetspot

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



21.5159, 0.6089, 0.3547



64.9216, 0.3745, 0.3496



21.4171, 0.3977, 0.1965



13.0441, 0.3860, 0.3526



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.



21.5159, 0.6089, 0.3547



25.0733, 0.6095, 0.3542



50.2317, 0.4727, 0.4629



16.4165, 0.3287, 0.3351



12.1744, 0.6063, 0.3568



1.1676, 0.5808, 0.3770

Inverse Universe

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



37.6570, 0.2007, 0.2424



43.9239, 0.2006, 0.2420



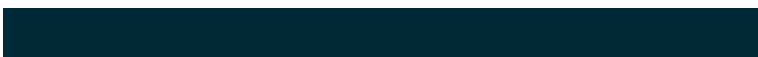
9.3594, 0.1574, 0.0865



17.2039, 0.2981, 0.3228



21.2204, 0.2011, 0.2439



1.9239, 0.2046, 0.2564

Previews

White Background



This preview shows how the Yxy color 21.5146, 0.6089, 0.3547 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 21.5146, 0.6089, 0.3547 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 21.5146, 0.6089, 0.3547

Background



This preview shows how black text looks on a background with the Yxy color 21.5146, 0.6089, 0.3547.



This preview shows how white text looks on a background with the Yxy color 21.5146, 0.6089, 0.3547.

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

21.5146, 0.6089, 0.3547

Protanopia

21.7089, 0.4301, 0.4776

Deuteranopia

21.6004, 0.4703, 0.4648



Tritanopia

21.5825, 0.5767, 0.3291

Trichromacy



Original Color

21.5146, 0.6089, 0.3547

Protanomaly

19.4061, 0.5105, 0.4232

Deuteranomaly

20.0615, 0.5333, 0.4148

Tritanomaly

21.5104, 0.5955, 0.3421

Monochromacy



Original Color

21.5146, 0.6089, 0.3547

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.6982, 0.4525, 0.3651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5146, 0.6089, 0.3547 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(238, 61, 0)` looks like.

```
.text, #text, p{  
  color:rgb(238, 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(238, 61, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 61, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.5146, 0.6089, 0.3547 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(238, 61, 0) }
```

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

```
.border{ border-color:rgb(238, 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(238, 61, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 61, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 61, 0);  
box-shadow:4px 4px 4px 4px rgb(238, 61, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.5146, 0.6089, 0.3547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 61, 0) }
```

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

```
.background{ background-color: rgb(238, 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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