

Converting Colors

$Y_{xy}(21.6738, 0.6042, 0.3584)$

Have a look what the booklet for
Yxy(21.6738, 0.6042, 0.3584)
contains.

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Color

Yxy(21.6135, 0.6046, 0.3582)

Conversions

Conversions Part 1

Format	Color
Hex	EC4100
RGB	236, 65, 0
RGB Percent	93%, 25%, 0%
CMY	0.0745, 0.7450, 1.0000
CMYK	0.00, 0.72, 1.00, 0.07
HSL	17°, 100%, 46%
HSV	17°, 100%, 93%
XYZ	36.4811, 21.6135, 2.2446
YIQ	108.7190, 122.7810, 16.0370

Conversions

Conversions Part 2

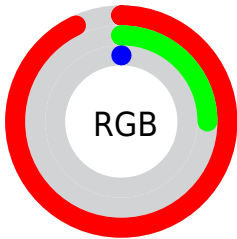
Format	Color
R_{YB}	236, 90, 0
Decimal	15483136
CIE _{Lab}	53.61, 63.31, 65.19
CIE _{LCh}	54, 90.867, 45.838
Yxy	21.6135, 0.6046, 0.3582
Android (android.graphics.Color)	4293673216 (0xFFEC4100)
YUV	108.7190, -53.5985, 111.6254
Hunter-Lab	46.4903, 58.7114, 29.6806

Details

The Yxy color **21.6135, 0.6046, 0.3582** 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 **35.1730, 0.1987, 0.2354**, and the grayscale version is **15.3406, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7628, 0.5250, 0.3819**, and **8.5460, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.6151, 0.6045, 0.3582**, and if you desaturate by 10%, it is **23.9489, 0.5794, 0.3673**.

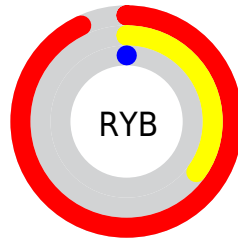
Distribution



Red (93%)

Green (25%)

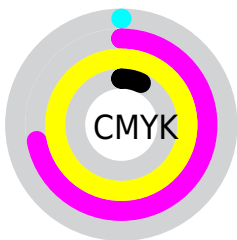
Blue (0%)



Red (93%)

Yellow (35%)

Blue (0%)

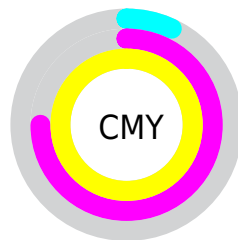


Cyan (0%)

Magenta (72%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (75%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6135, 0.6046, 0.3582 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 21.6135, 0.6046, 0.3582 by changing the saturation by 10% instead.


 21.6135, 0.6046,
0.3582

 21.6135, 0.6046,
0.3582


260.5212, 0.4548,
0.3674


 13.5732, 0.6364,
0.3458


 46.1064, 0.5532,
0.3691

 7.8244, 0.6742,
0.3258


 63.3277, 0.5326,
0.3709

 3.9828, 0.7100,
0.2900

 84.3782, 0.5148,
0.3715

 1.6639, 0.7609,
0.2391

 109.6421, 0.4994,
0.3712

 0.4001, 0.8600,
0.1400

 139.5040, 0.4860,
0.3706


 0.0000, 1.0000,
0.0000


 174.3482, 0.4743,


 0.0000, 0.0000,


0.3696


0.0000


 214.5592, 0.4639,
0.3686

 21.6135, 0.6046,
0.3582


 21.6135, 0.6046,
0.3582


 21.6151, 0.6045,
0.3582

 23.9489, 0.5794,
0.3673

 27.0036, 0.5466,
0.3728

 30.8477, 0.5090,
0.3738

 35.5353, 0.4706,
0.3710

 41.1155, 0.4343,
0.3656

■ 47.6332, 0.4018,
0.3586

■ 55.1301, 0.3737,
0.3510

■ 63.6454, 0.3497,
0.3433

■ 73.2161, 0.3296,
0.3359

Harmonies

Analogous

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



21.6135, 0.5700, 0.2785



21.6135, 0.6046, 0.3582



21.6135, 0.5374, 0.4562

Triad

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



21.6135, 0.6046, 0.3582



21.6135, 0.1741, 0.5198



21.6135, 0.1541, 0.1278

Complementary

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



21.6135, 0.6046, 0.3582



35.1730, 0.1987, 0.2354

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.



21.6135, 0.1015, 0.1346



21.6135, 0.6046, 0.3582



21.6135, 0.1040, 0.3076

Square

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



21.6135, 0.6046, 0.3582



21.6135, 0.2902, 0.6366



21.6135, 0.0854, 0.1829



21.6135, 0.2600, 0.1516

Rectangle

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



21.6135, 0.6046, 0.3582



21.6135, 0.4623, 0.5342



21.6135, 0.0854, 0.1829



21.6135, 0.1316, 0.1265

Sweetspot

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



21.6151, 0.6045, 0.3582



65.6072, 0.3740, 0.3511



20.8519, 0.4038, 0.1998



13.2029, 0.3854, 0.3544



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.



21.6151, 0.6045, 0.3582



25.6723, 0.6052, 0.3576



50.8519, 0.4685, 0.4662



15.7294, 0.3286, 0.3356



12.1009, 0.6017, 0.3604



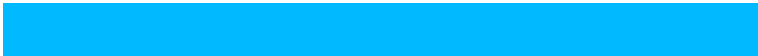
1.1066, 0.5746, 0.3820

Inverse Universe

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



35.1730, 0.1987, 0.2354



41.8111, 0.1986, 0.2349



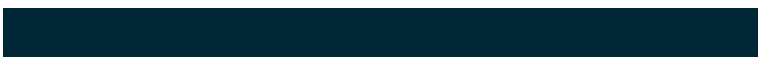
8.7946, 0.1565, 0.0834



16.3793, 0.2981, 0.3224



19.6162, 0.1992, 0.2370



1.6998, 0.2031, 0.2513

Previews

White Background



This preview shows how the Yxy color 21.6135, 0.6046, 0.3582 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 21.6135, 0.6046, 0.3582 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 21.6135, 0.6046, 0.3582

Background



This preview shows how black text looks on a background with the Yxy color 21.6135, 0.6046, 0.3582.



This preview shows how white text looks on a background with the Yxy color 21.6135, 0.6046, 0.3582.

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

21.6135, 0.6046, 0.3582

Protanopia

21.7948, 0.4318, 0.4774

Deuteranopia

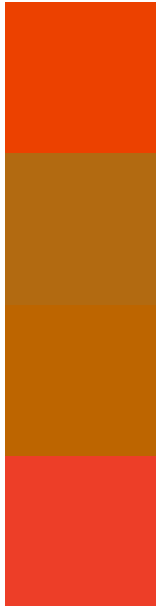
21.6004, 0.4703, 0.4648



Tritanopia

21.7009, 0.5671, 0.3283

Trichromacy



Original Color

21.6135, 0.6046, 0.3582

Protanomaly

19.8135, 0.5074, 0.4257

Deuteranomaly

20.1262, 0.5309, 0.4167

Tritanomaly

21.6030, 0.5891, 0.3437

Monochromacy



Original Color

21.6135, 0.6046, 0.3582

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.2269, 0.4478, 0.3685

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6135, 0.6046, 0.3582 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(236, 65, 0)` looks like.

```
.text, #text, p{  
    color:rgb(236, 65, 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(236, 65, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 65, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.6135, 0.6046, 0.3582 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(236, 65, 0) }
```

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

```
.border{ border-color:rgb(236, 65, 0) }
```

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

Here you see how a box with a 4 pixel rgb(236, 65, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 65, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 65, 0);  
box-shadow:4px 4px 4px 4px rgb(236, 65, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.6135, 0.6046, 0.3582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 65, 0) }
```

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

```
.background{ background-color: rgb(236, 65,  
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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