

Converting Colors

$Y_{xy}(21.7131, 0.5885, 0.3710)$

Have a look what the booklet for
Yxy(21.7131, 0.5885, 0.3710)
contains.

Yxy(21.6386, 0.5885, 0.3709)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.6386, 0.5885, 0.3709)

Conversions

Conversions Part 1

Format	Color
Hex	E34D00
RGB	227, 77, 0
RGB Percent	89%, 30%, 0%
CMY	0.1098, 0.6980, 0.9998
CMYK	0.00, 0.66, 1.00, 0.11
HSL	20°, 100%, 45%
HSV	20°, 100%, 89%
XYZ	34.3336, 21.6386, 2.3686
YIQ	113.0720, 114.1170, 7.8530

Conversions

Conversions Part 2

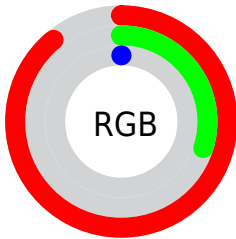
Format	Color
R_{YB}	227, 117, 0
Decimal	14896384
CIE Lab	53.64, 55.91, 64.24
CIE LCh	54, 85.166, 48.964
Yxy	21.6386, 0.5885, 0.3709
Android (android.graphics.Color)	4293086464 (0xFFE34D00)
YUV	113.0720, -55.7445, 99.9149
Hunter-Lab	46.5173, 50.3422, 29.5431

Details

The Yxy color **21.6386, 0.5885, 0.3709** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **27.3773, 0.1924, 0.2125**, and the grayscale version is **16.6821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1103, 0.5153, 0.3900**, and **7.9385, 0.6365, 0.3328** is the 20% darker color. If you saturate the color by 10%, you get **21.6344, 0.5885, 0.3709**, and if you desaturate by 10%, it is **24.0480, 0.5636, 0.3801**.

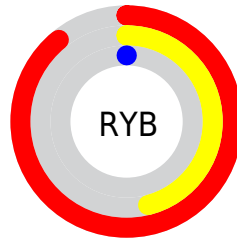
Distribution



Red (89%)

Green (30%)

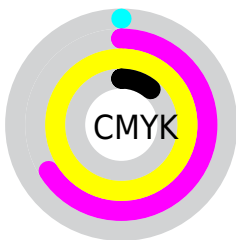
Blue (0%)



Red (89%)

Yellow (46%)

Blue (0%)

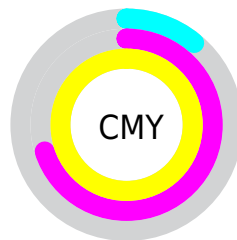


Cyan (0%)

Magenta (66%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (70%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6386, 0.5885, 0.3709 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 21.6386, 0.5885, 0.3709 by changing the saturation by 10% instead.


 21.6386, 0.5885,
0.3709


 21.6386, 0.5885,
0.3709


260.6531, 0.4463,
0.3715


 13.5916, 0.6188,
0.3608


 46.1480, 0.5394,
0.3784

 7.8372, 0.6560,
0.3440

 63.3791, 0.5199,
0.3789


 3.9909, 0.6897,
0.3103

 84.4404, 0.5030,
0.3784

 1.6685, 0.7385,
0.2615

 109.7162, 0.4885,
0.3774

 0.4031, 0.8397,
0.1603

 139.5910, 0.4758,
0.3760


 0.0000, 1.0000,
0.0000


 174.4492, 0.4647,


 0.0000, 0.0000,

0.3746


0.0000


 214.6751, 0.4550,
0.3730


 21.6386, 0.5885,
0.3709


 21.6386, 0.5885,
0.3709


 21.6344, 0.5885,
0.3709

 24.0480, 0.5636,
0.3801

 27.0422, 0.5328,
0.3850

 30.6735, 0.4981,
0.3849

 34.9810, 0.4627,
0.3808

 40.0002, 0.4291,
0.3738

■ 45.7635, 0.3987,
0.3652

■ 52.3015, 0.3720,
0.3559

■ 59.6426, 0.3489,
0.3465

■ 67.8141, 0.3293,
0.3375

Harmonies

Analogous

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



21.6386, 0.5645, 0.2911



21.6386, 0.5885, 0.3709



21.6386, 0.5199, 0.4667

Triad

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



21.6386, 0.5885, 0.3709



21.6386, 0.1733, 0.4855



21.6386, 0.1692, 0.1367

Complementary

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



21.6386, 0.5885, 0.3709



27.3773, 0.1924, 0.2125

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.



21.6386, 0.1129, 0.1405



21.6386, 0.5885, 0.3709



21.6386, 0.1095, 0.2940

Square

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



21.6386, 0.5885, 0.3709



21.6386, 0.2836, 0.6144



21.6386, 0.0940, 0.1835



21.6386, 0.2775, 0.1632

Rectangle

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



21.6386, 0.5885, 0.3709



21.6386, 0.4469, 0.5385



21.6386, 0.0940, 0.1835



21.6386, 0.1455, 0.1345

Sweetspot

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



21.6399, 0.5885, 0.3709



67.8885, 0.3725, 0.3561



18.5786, 0.4291, 0.2137



13.7331, 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.



21.6399, 0.5885, 0.3709



27.9890, 0.5897, 0.3700



52.8037, 0.4526, 0.4788



15.1627, 0.3284, 0.3370



12.8108, 0.5858, 0.3730



1.1138, 0.5576, 0.3955

Inverse Universe

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



27.3773, 0.1924, 0.2125



35.4256, 0.1922, 0.2117



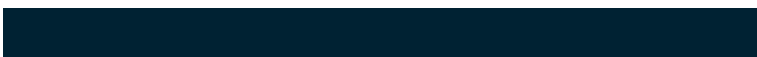
6.9253, 0.1537, 0.0731



15.4701, 0.2981, 0.3208



16.1864, 0.1929, 0.2144



1.3665, 0.1981, 0.2331

Previews

White Background



This preview shows how the Yxy color 21.6386, 0.5885, 0.3709 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 21.6386, 0.5885, 0.3709 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 21.6386, 0.5885, 0.3709

Background



This preview shows how black text looks on a background with the Yxy color 21.6386, 0.5885, 0.3709.



This preview shows how white text looks on a background with the Yxy color 21.6386, 0.5885, 0.3709.

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

21.6386, 0.5885, 0.3709

Protanopia

21.7862, 0.4327, 0.4787

Deuteranopia

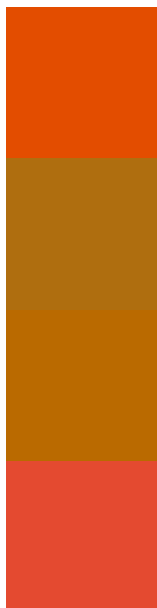
21.6004, 0.4703, 0.4648



Tritanopia

21.6367, 0.5377, 0.3270

Trichromacy



Original Color

21.6386, 0.5885, 0.3709

Protanomaly

20.3003, 0.4989, 0.4339

Deuteranomaly

20.7472, 0.5204, 0.4250

Tritanomaly

21.6049, 0.5668, 0.3501

Monochromacy



Original Color

21.6386, 0.5885, 0.3709

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.4522, 0.4349, 0.3756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6386, 0.5885, 0.3709 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(227, 77, 0)` looks like.

```
.text, #text, p{  
    color:rgb(227, 77, 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(227, 77, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 77, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.6386, 0.5885, 0.3709 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(227, 77, 0) }
```

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

```
.border{ border-color:rgb(227, 77, 0) }
```

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

Here you see how a box with a 4 pixel rgb(227, 77, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 77, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 77, 0);  
box-shadow:4px 4px 4px 4px rgb(227, 77, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.6386, 0.5885, 0.3709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 77, 0) }
```

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

```
.background{ background-color: rgb(227, 77,  
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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