

Converting Colors

$Y_{xy}(21.5049, 0.5857, 0.3732)$

Have a look what the booklet for
Yxy(21.5049, 0.5857, 0.3732)
contains.

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Color

Yxy(21.5995, 0.5853, 0.3735)

Conversions

Conversions Part 1

Format	Color
Hex	E14F00
RGB	225, 79, 0
RGB Percent	88%, 31%, 0%
CMY	0.1176, 0.6902, 1.0000
CMYK	0.00, 0.65, 1.00, 0.12
HSL	21°, 100%, 44%
HSV	21°, 100%, 88%
XYZ	33.8479, 21.5995, 2.3826
YIQ	113.6480, 112.3750, 6.3830

Conversions

Conversions Part 2

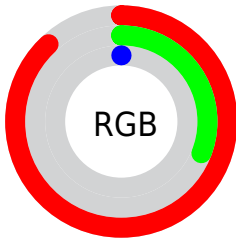
Format	Color
R_{YB}	225, 122, 0
Decimal	14765824
CIE Lab	53.60, 54.41, 64.06
CIE LCh	54, 84.046, 49.657
Yxy	21.5995, 0.5853, 0.3735
Android (android.graphics.Color)	4292955904 (0xFFE14F00)
YUV	113.6480, -56.0285, 97.6557
Hunter-Lab	46.4753, 48.6697, 29.4931

Details

The Yxy color **21.5995, 0.5853, 0.3735** 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 **25.9933, 0.1912, 0.2082**, and the grayscale version is **16.8631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.6580, 0.5133, 0.3919**, and **7.8911, 0.6325, 0.3360** is the 20% darker color. If you saturate the color by 10%, you get **21.6010, 0.5853, 0.3735**, and if you desaturate by 10%, it is **24.0035, 0.5606, 0.3826**.

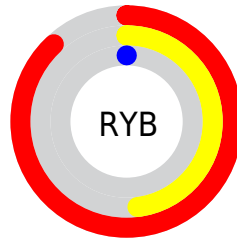
Distribution



Red (88%)

Green (31%)

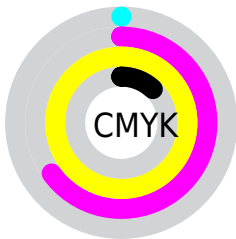
Blue (0%)



Red (88%)

Yellow (48%)

Blue (0%)

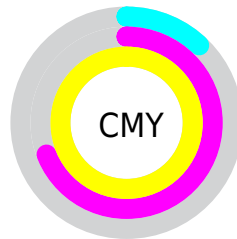


Cyan (0%)

Magenta (65%)

Yellow (100%)

Black (12%)



Cyan (12%)


Magenta (69%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5995, 0.5853, 0.3735 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 21.5995, 0.5853, 0.3735 by changing the saturation by 10% instead.


 21.5995, 0.5853,
0.3735


 21.5995, 0.5853,
0.3735

260.4476, 0.4446,
0.3723


 13.5629, 0.6153,
0.3638


 46.0832, 0.5367,
0.3803


 7.8173, 0.6524,
0.3476


 63.2990, 0.5174,
0.3805

 3.9783, 0.6855,
0.3145

 84.3434, 0.5007,
0.3799

 1.6614, 0.7340,
0.2660

 109.6008, 0.4863,
0.3786

 0.3985, 0.8364,
0.1636

 139.4555, 0.4738,
0.3772

 0.0000, 1.0000,
0.0000


 174.2919, 0.4628,


 0.0000, 0.0000,


0.3756


0.0000


 214.4945, 0.4532,
0.3739


 21.5995, 0.5853,
0.3735


 21.5995, 0.5853,
0.3735


 21.6010, 0.5853,
0.3735

 24.0035, 0.5606,
0.3826

 26.9661, 0.5302,
0.3873

 30.5371, 0.4961,
0.3870

 34.7530, 0.4613,
0.3826

 39.6472, 0.4282,
0.3754

■ 45.2502, 0.3982,
0.3664

■ 51.5905, 0.3717,
0.3568

■ 58.6949, 0.3489,
0.3471

■ 66.5890, 0.3293,
0.3378

Harmonies

Analogous

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



21.5995, 0.5635, 0.2937



21.5995, 0.5853, 0.3735



21.5995, 0.5163, 0.4689

Triad

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



21.5995, 0.5853, 0.3735



21.5995, 0.1730, 0.4787



21.5995, 0.1724, 0.1385

Complementary

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



21.5995, 0.5853, 0.3735



25.9933, 0.1912, 0.2082

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.



21.5995, 0.1153, 0.1416



21.5995, 0.5853, 0.3735



21.5995, 0.1105, 0.2913

Square

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



21.5995, 0.5853, 0.3735



21.5995, 0.2819, 0.6097



21.5995, 0.0957, 0.1835



21.5995, 0.2812, 0.1655

Rectangle

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



21.5995, 0.5853, 0.3735



21.5995, 0.4438, 0.5395



21.5995, 0.0957, 0.1835



21.5995, 0.1484, 0.1360

Sweetspot

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



21.6010, 0.5853, 0.3735



68.3304, 0.3722, 0.3570



18.0913, 0.4357, 0.2174



13.8361, 0.3831, 0.3611



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.



21.6010, 0.5853, 0.3735



28.4948, 0.5865, 0.3725



53.3801, 0.4489, 0.4818



14.4839, 0.3283, 0.3373



12.6459, 0.5825, 0.3757



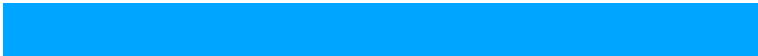
1.0407, 0.5528, 0.3993

Inverse Universe

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



25.9933, 0.1912, 0.2082



34.2969, 0.1909, 0.2073



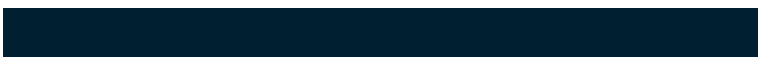
6.5663, 0.1531, 0.0710



14.7200, 0.2982, 0.3206



15.2052, 0.1917, 0.2102



1.2201, 0.1974, 0.2306

Previews

White Background



This preview shows how the Yxy color 21.5995, 0.5853, 0.3735 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 21.5995, 0.5853, 0.3735 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 21.5995, 0.5853, 0.3735

Background



This preview shows how black text looks on a background with the Yxy color 21.5995, 0.5853, 0.3735.



This preview shows how white text looks on a background with the Yxy color 21.5995, 0.5853, 0.3735.

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

21.5995, 0.5853, 0.3735

Protanopia

21.7821, 0.4331, 0.4793

Deuteranopia

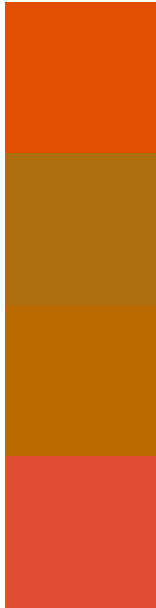
21.6004, 0.4703, 0.4648



Tritanopia

21.7785, 0.5313, 0.3259

Trichromacy



Original Color

21.5995, 0.5853, 0.3735

Protanomaly

20.4020, 0.4964, 0.4360

Deuteranomaly

20.6224, 0.5195, 0.4257

Tritanomaly

21.5679, 0.5618, 0.3510

Monochromacy



Original Color

21.5995, 0.5853, 0.3735

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.6584, 0.4325, 0.3756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5995, 0.5853, 0.3735 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(225, 79, 0)` looks like.

```
.text, #text, p{  
  color:rgb(225, 79, 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(225, 79, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 79, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.5995, 0.5853, 0.3735 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(225, 79, 0) }
```

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

```
.border{ border-color:rgb(225, 79, 0) }
```

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

Here you see how a box with a 4 pixel rgb(225, 79, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 79, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 79, 0);  
box-shadow:4px 4px 4px 4px rgb(225, 79, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.5995, 0.5853, 0.3735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 79, 0) }
```

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

```
.background{ background-color: rgb(225, 79,  
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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