

Converting Colors

$Y_{xy}(21.7774, 0.5838, 0.3747)$

Have a look what the booklet for
Yxy(21.7774, 0.5838, 0.3747)
contains.

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Color

Yxy(21.7449, 0.5841, 0.3744)

Conversions

Conversions Part 1

Format	Color
Hex	E15000
RGB	225, 80, 0
RGB Percent	88%, 31%, 0%
CMY	0.1176, 0.6863, 0.9998
CMYK	0.00, 0.64, 1.00, 0.12
HSL	21°, 100%, 44%
HSV	21°, 100%, 88%
XYZ	33.9241, 21.7449, 2.4103
YIQ	114.2350, 112.1000, 5.8600

Conversions

Conversions Part 2

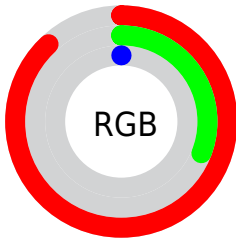
Format	Color
R_{YB}	225, 124, 0
Decimal	14766080
CIE _{Lab}	53.76, 54.00, 64.11
CIE _{LCh}	54, 83.824, 49.892
Yxy	21.7449, 0.5841, 0.3744
Android (android.graphics.Color)	4292956160 (0xFFE15000)
YUV	114.2350, -56.3179, 97.1409
Hunter-Lab	46.6314, 48.2529, 29.5774

Details

The Yxy color **21.7449, 0.5841, 0.3744** 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 **25.7091, 0.1908, 0.2067**, and the grayscale version is **17.0498, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9357, 0.5123, 0.3929**, and **7.9780, 0.6305, 0.3376** is the 20% darker color. If you saturate the color by 10%, you get **21.7421, 0.5841, 0.3744**, and if you desaturate by 10%, it is **24.1641, 0.5595, 0.3835**.

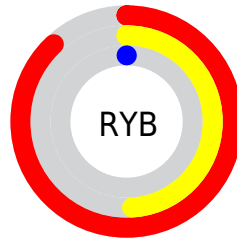
Distribution



Red (88%)

Green (31%)

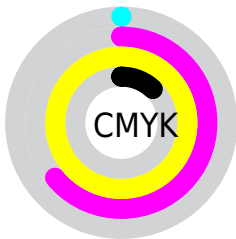
Blue (0%)



Red (88%)

Yellow (49%)

Blue (0%)

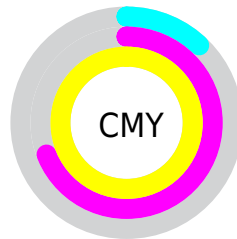


Cyan (0%)

Magenta (64%)

Yellow (100%)

Black (12%)



Cyan (12%)


Magenta (69%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7449, 0.5841, 0.3744 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 21.7449, 0.5841, 0.3744 by changing the saturation by 10% instead.


 21.7449, 0.5841,
0.3744


 21.7449, 0.5841,
0.3744


261.2112, 0.4442,
0.3726


 13.6696, 0.6139,
0.3649


 46.3240, 0.5358,
0.3809

 7.8912, 0.6509,
0.3491


 63.5966, 0.5165,
0.3811


 4.0254, 0.6837,
0.3163

 84.7037, 0.5000,
0.3803

 1.6878, 0.7317,
0.2683

 110.0297, 0.4856,
0.3791

 0.4157, 0.8313,
0.1687

 139.9591, 0.4732,
0.3776


 0.0000, 1.0000,
0.0000

 174.8762, 0.4623,

 0.0000, 0.0000,

0.3759


0.0000


 215.1654, 0.4527,
0.3742


 21.7449, 0.5841,
0.3744


 21.7449, 0.5841,
0.3744


 21.7421, 0.5841,
0.3744

 24.1641, 0.5595,
0.3835

 27.1375, 0.5292,
0.3882

 30.7139, 0.4953,
0.3878

 34.9295, 0.4608,
0.3833

 39.8170, 0.4279,
0.3759

■ 45.4066, 0.3980,
0.3669

■ 51.7262, 0.3716,
0.3571

■ 58.8025, 0.3488,
0.3473

■ 66.6604, 0.3293,
0.3379

Harmonies

Analogous

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



21.7449, 0.5630, 0.2946



21.7449, 0.5841, 0.3744



21.7449, 0.5151, 0.4696

Triad

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



21.7449, 0.5841, 0.3744



21.7449, 0.1729, 0.4764



21.7449, 0.1736, 0.1391

Complementary

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



21.7449, 0.5841, 0.3744



25.7091, 0.1908, 0.2067

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.



21.7449, 0.1162, 0.1421



21.7449, 0.5841, 0.3744



21.7449, 0.1109, 0.2904

Square

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



21.7449, 0.5841, 0.3744



21.7449, 0.2814, 0.6079



21.7449, 0.0963, 0.1836



21.7449, 0.2824, 0.1664

Rectangle

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



21.7449, 0.5841, 0.3744



21.7449, 0.4428, 0.5397



21.7449, 0.0963, 0.1836



21.7449, 0.1495, 0.1367

Sweetspot

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



21.7462, 0.5841, 0.3744



68.4858, 0.3721, 0.3573



18.0950, 0.4356, 0.2174



13.8724, 0.3829, 0.3615



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.



21.7462, 0.5841, 0.3744



28.6770, 0.5853, 0.3734



53.3898, 0.4489, 0.4818



14.4935, 0.3283, 0.3374



12.7271, 0.5813, 0.3766



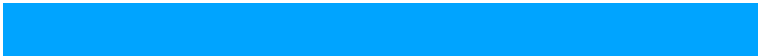
1.0470, 0.5518, 0.4001

Inverse Universe

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



25.7091, 0.1908, 0.2067



33.9078, 0.1905, 0.2058



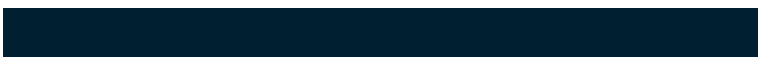
6.5694, 0.1531, 0.0710



14.7099, 0.2982, 0.3205



15.0376, 0.1913, 0.2087



1.2093, 0.1971, 0.2294

Previews

White Background



This preview shows how the Yxy color 21.7449, 0.5841, 0.3744 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 21.7449, 0.5841, 0.3744 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 21.7449, 0.5841, 0.3744

Background



This preview shows how black text looks on a background with the Yxy color 21.7449, 0.5841, 0.3744.



This preview shows how white text looks on a background with the Yxy color 21.7449, 0.5841, 0.3744.

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

21.7449, 0.5841, 0.3744

Protanopia

21.7821, 0.4331, 0.4793

Deuteranopia

21.9524, 0.4700, 0.4650



Tritanopia

21.9276, 0.5292, 0.3259

Trichromacy



Original Color

21.7449, 0.5841, 0.3744

Protanomaly

20.4020, 0.4964, 0.4360

Deuteranomaly

20.9545, 0.5188, 0.4262

Tritanomaly

21.7068, 0.5608, 0.3519

Monochromacy



Original Color

21.7449, 0.5841, 0.3744

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.8538, 0.4316, 0.3773

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7449, 0.5841, 0.3744 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, 80, 0)` looks like.

```
.text, #text, p{  
    color:rgb(225, 80, 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, 80, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 80, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.7449, 0.5841, 0.3744 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, 80, 0) }
```

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

```
.border{ border-color:rgb(225, 80, 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, 80, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 80, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 80, 0);  
box-shadow:4px 4px 4px 4px rgb(225, 80, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.7449, 0.5841, 0.3744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 80, 0) }
```

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

```
.background{ background-color: rgb(225, 80,  
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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