

Converting Colors

$Y_{xy}(21.1837, 0.5966, 0.3599)$

Have a look what the booklet for
Yxy(21.1837, 0.5966, 0.3599)
contains.

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Color

Yxy(21.1473, 0.5969, 0.3598)

Conversions

Conversions Part 1

Format	Color
Hex	E7440B
RGB	231, 68, 11
RGB Percent	91%, 27%, 4%
CMY	0.0941, 0.7333, 0.9574
CMYK	0.00, 0.71, 0.95, 0.09
HSL	16°, 91%, 47%
HSV	16°, 95%, 91%
XYZ	35.0829, 21.1473, 2.5450
YIQ	110.2390, 115.4450, 16.8290

Conversions

Conversions Part 2

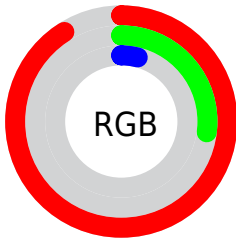
Format	Color
RYB	231, 88, 11
Decimal	15156235
CIELab	53.11, 60.78, 61.97
CIELCh	53, 86.800, 45.559
Yxy	21.1473, 0.5969, 0.3598
Android (android.graphics.Color)	4293346315 (0xFFE7440B)
YUV	110.2390, -48.9248, 105.9074
Hunter-Lab	45.9862, 55.7019, 28.9091

Details

The Yxy color **21.1473, 0.5969, 0.3598** 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 **36.0552, 0.2022, 0.2457**, and the grayscale version is **15.7804, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.3325, 0.5185, 0.3799**, and **8.1070, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.2180, 0.6079, 0.3555**, and if you desaturate by 10%, it is **23.6193, 0.5680, 0.3675**.

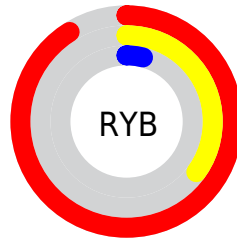
Distribution



Red (91%)

Green (27%)

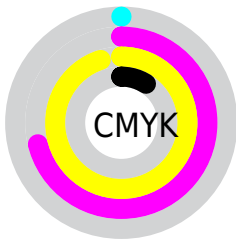
Blue (4%)



Red (91%)

Yellow (35%)

Blue (4%)

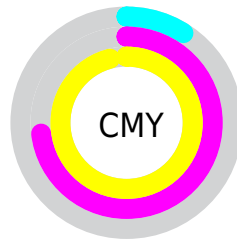


Cyan (0%)

Magenta (71%)

Yellow (95%)

Black (9%)



Cyan (9%)

Magenta (73%)

Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1473, 0.5969, 0.3598 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 21.1473, 0.5969, 0.3598 by changing the saturation by 10% instead.


 21.1473, 0.5969,
0.3598


 21.1473, 0.5969,
0.3598

258.0603, 0.4490,
0.3661


 13.2317, 0.6290,
0.3483


 45.3326, 0.5453,
0.3693


 7.5883, 0.6696,
0.3304


 62.3710, 0.5250,
0.3706

 3.8327, 0.7053,
0.2947

 83.2192, 0.5075,
0.3708

 1.5804, 0.7566,
0.2434

 108.2616, 0.4924,
0.3703

 0.3443, 0.8663,
0.1337

 137.8825, 0.4793,
0.3695

 0.0000, 1.0000,
0.0000

 172.4663, 0.4679,


 0.0000, 0.0000,


0.3685


0.0000


 212.3974, 0.4578,
0.3673


 21.1473, 0.5969,
0.3598


 21.1473, 0.5969,
0.3598


 20.2180, 0.6079,
0.3555


 23.6193, 0.5680,
0.3675

 26.8306, 0.5319,
0.3710

 30.8406, 0.4928,
0.3703


 35.7014, 0.4544,
0.3664

 41.4599, 0.4193,
0.3605

 48.1599, 0.3885,
0.3536

 55.8417, 0.3621,
0.3463

 64.5436, 0.3399,
0.3392

 74.3015, 0.3213,
0.3324

Harmonies

Analogous

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



21.1473, 0.5602, 0.2806



21.1473, 0.5969, 0.3598



21.1473, 0.5337, 0.4550

Triad

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



21.1473, 0.5969, 0.3598



21.1473, 0.1804, 0.5133



21.1473, 0.1576, 0.1323

Complementary

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



21.1473, 0.5969, 0.3598



36.0552, 0.2022, 0.2457

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.



21.1473, 0.1059, 0.1397



21.1473, 0.5969, 0.3598



21.1473, 0.1101, 0.3112

Square

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



21.1473, 0.5969, 0.3598



21.1473, 0.2950, 0.6249



21.1473, 0.0904, 0.1885



21.1473, 0.2608, 0.1556

Rectangle

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



21.1473, 0.5969, 0.3598



21.1473, 0.4617, 0.5293



21.1473, 0.0904, 0.1885



21.1473, 0.1356, 0.1312

Sweetspot

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



21.1486, 0.5969, 0.3598



66.0216, 0.3717, 0.3491



20.3589, 0.3930, 0.1956



13.2605, 0.3832, 0.3522



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.



21.1486, 0.5969, 0.3598



25.1797, 0.6088, 0.3548



48.0511, 0.4684, 0.4637



14.9732, 0.3286, 0.3352



11.5048, 0.6052, 0.3577



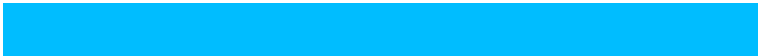
0.9978, 0.5765, 0.3804

Inverse Universe

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



36.0552, 0.2022, 0.2457



43.5297, 0.2002, 0.2407



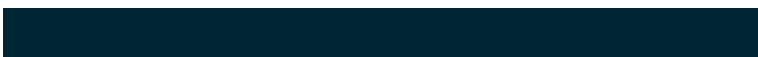
9.7239, 0.1605, 0.0946



15.6698, 0.2981, 0.3228



19.7806, 0.2008, 0.2428



1.6100, 0.2047, 0.2569

Previews

White Background



This preview shows how the Yxy color 21.1473, 0.5969, 0.3598 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 21.1473, 0.5969, 0.3598 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 21.1473, 0.5969, 0.3598

Background



This preview shows how black text looks on a background with the Yxy color 21.1473, 0.5969, 0.3598.



This preview shows how white text looks on a background with the Yxy color 21.1473, 0.5969, 0.3598.

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

21.1473, 0.5969, 0.3598

Protanopia

21.3618, 0.4296, 0.4766

Deuteranopia

21.2518, 0.4707, 0.4645



Tritanopia

21.2159, 0.5582, 0.3281

Trichromacy



Original Color

21.1473, 0.5969, 0.3598

Protanomaly

19.4800, 0.5021, 0.4256

Deuteranomaly

19.9506, 0.5255, 0.4190

Tritanomaly

21.1337, 0.5791, 0.3432

Monochromacy



Original Color

21.1473, 0.5969, 0.3598

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.5489, 0.4369, 0.3641

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1473, 0.5969, 0.3598 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(231, 68, 11)` looks like.

```
.text, #text, p{  
  color:rgb(231, 68, 11)  
}
```

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(231, 68, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 68, 11) }
```

Border

The CSS property to change the border of an element to Yxy 21.1473, 0.5969, 0.3598 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(231, 68, 11) }
```

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

```
.border{ border-color:rgb(231, 68, 11) }
```

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

Here you see how a box with a 4 pixel rgb(231, 68, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 68, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 68, 11);  
box-shadow:4px 4px 4px 4px rgb(231, 68,  
11) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1473, 0.5969, 0.3598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 68, 11) }
```

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

```
.background{ background-color: rgb(231, 68,  
11) }
```

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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