

Converting Colors

$Y_{xy}(21.3414, 0.5904, 0.3695)$

Have a look what the booklet for
Yxy(21.3414, 0.5904, 0.3695)
contains.

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Color

Yxy(21.3630, 0.5908, 0.3691)

Conversions

Conversions Part 1

Format	Color
Hex	E34B00
RGB	227, 75, 0
RGB Percent	89%, 29%, 0%
CMY	0.1098, 0.7058, 1.0000
CMYK	0.00, 0.67, 1.00, 0.11
HSL	20°, 100%, 45%
HSV	20°, 100%, 89%
XYZ	34.1947, 21.3630, 2.3209
YIQ	111.8980, 114.6670, 8.8990

Conversions

Conversions Part 2

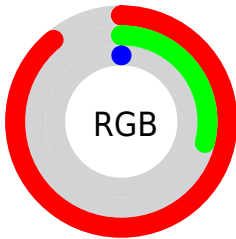
Format	Color
RYB	227, 112, 0
Decimal	14895872
CIELab	53.34, 56.71, 64.11
CIELCh	53, 85.592, 48.501
Yxy	21.3630, 0.5908, 0.3691
Android (android.graphics.Color)	4293085952 (0xFFE34B00)
YUV	111.8980, -55.1657, 100.9445
Hunter-Lab	46.2201, 51.1731, 29.3769

Details

The Yxy color **21.3630, 0.5908, 0.3691** 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 **27.9994, 0.1932, 0.2156**, and the grayscale version is **16.3128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8404, 0.5163, 0.3890**, and **7.7031, 0.6395, 0.3304** is the 20% darker color. If you saturate the color by 10%, you get **21.3643, 0.5908, 0.3691**, and if you desaturate by 10%, it is **23.7391, 0.5658, 0.3783**.

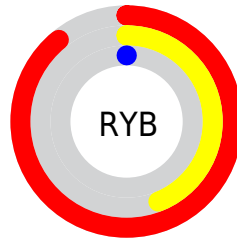
Distribution



Red (89%)

Green (29%)

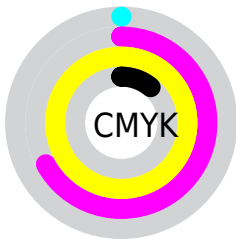
Blue (0%)



Red (89%)

Yellow (44%)

Blue (0%)

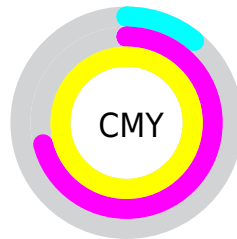


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (71%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3630, 0.5908, 0.3691 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 21.3630, 0.5908, 0.3691 by changing the saturation by 10% instead.


 21.3630, 0.5908,
0.3691


 21.3630, 0.5908,
0.3691


259.2014, 0.4472,
0.3708


 13.3896, 0.6215,
0.3586


 45.6909, 0.5412,
0.3771

 7.6974, 0.6589,
0.3411


 62.8142, 0.5215,
0.3778

 3.9019, 0.6931,
0.3069

 83.7562, 0.5044,
0.3774

 1.6188, 0.7428,
0.2572

 108.9014, 0.4897,
0.3765

 0.3703, 0.8495,
0.1505

 138.6341, 0.4769,
0.3752

 0.0000, 1.0000,
0.0000


 173.3387, 0.4658,


 0.0000, 0.0000,


0.3738


0.0000


 213.3997, 0.4559,
0.3723


 21.3630, 0.5908,
0.3691

 21.3630, 0.5908,
0.3691

 21.3643, 0.5908,
0.3691

 23.7391, 0.5658,
0.3783

 26.7098, 0.5346,
0.3833

 30.3287, 0.4996,
0.3834

 34.6363, 0.4638,
0.3795

 39.6691, 0.4299,
0.3727

■ 45.4606, 0.3992,
0.3643

■ 52.0423, 0.3722,
0.3552

■ 59.4436, 0.3491,
0.3461

■ 67.6923, 0.3294,
0.3373

Harmonies

Analogous

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



21.3630, 0.5653, 0.2893



21.3630, 0.5908, 0.3691



21.3630, 0.5224, 0.4653

Triad

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



21.3630, 0.5908, 0.3691



21.3630, 0.1735, 0.4902



21.3630, 0.1670, 0.1354

Complementary

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



21.3630, 0.5908, 0.3691



27.9994, 0.1932, 0.2156

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.



21.3630, 0.1113, 0.1397



21.3630, 0.5908, 0.3691



21.3630, 0.1087, 0.2959

Square

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



21.3630, 0.5908, 0.3691



21.3630, 0.2846, 0.6177



21.3630, 0.0927, 0.1834



21.3630, 0.2750, 0.1615

Rectangle

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



21.3630, 0.5908, 0.3691



21.3630, 0.4491, 0.5380



21.3630, 0.0927, 0.1834



21.3630, 0.1435, 0.1333

Sweetspot

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



21.3643, 0.5908, 0.3691



67.5750, 0.3727, 0.3554



18.7013, 0.4225, 0.2101



13.6601, 0.3837, 0.3593



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.



21.3643, 0.5908, 0.3691



27.6414, 0.5919, 0.3682



51.1893, 0.4564, 0.4758



15.1420, 0.3284, 0.3368



12.6504, 0.5881, 0.3713



1.1001, 0.5597, 0.3938

Inverse Universe

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



27.9994, 0.1932, 0.2156



36.2470, 0.1930, 0.2149



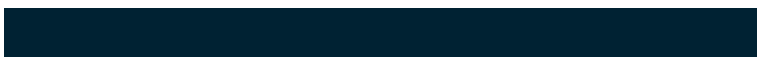
7.1749, 0.1543, 0.0754



15.4917, 0.2981, 0.3210



16.5515, 0.1938, 0.2175



1.3915, 0.1988, 0.2357

Previews

White Background



This preview shows how the Yxy color 21.3630, 0.5908, 0.3691 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 21.3630, 0.5908, 0.3691 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 21.3630, 0.5908, 0.3691

Background



This preview shows how black text looks on a background with the Yxy color 21.3630, 0.5908, 0.3691.



This preview shows how white text looks on a background with the Yxy color 21.3630, 0.5908, 0.3691.

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

21.3630, 0.5908, 0.3691

Protanopia

21.4336, 0.4327, 0.4784

Deuteranopia

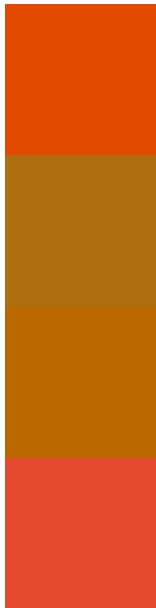
21.6004, 0.4703, 0.4648



Tritanopia

21.3553, 0.5419, 0.3270

Trichromacy



Original Color

21.3630, 0.5908, 0.3691

Protanomaly

19.9704, 0.4994, 0.4334

Deuteranomaly

20.5423, 0.5219, 0.4238

Tritanomaly

21.3260, 0.5706, 0.3496

Monochromacy



Original Color

21.3630, 0.5908, 0.3691

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.2486, 0.4373, 0.3755

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3630, 0.5908, 0.3691 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, 75, 0)` looks like.

```
.text, #text, p{  
    color:rgb(227, 75, 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, 75, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 75, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.3630, 0.5908, 0.3691 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, 75, 0) }
```

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

```
.border{ border-color:rgb(227, 75, 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, 75, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 75, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 75, 0);  
box-shadow:4px 4px 4px 4px rgb(227, 75, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.3630, 0.5908, 0.3691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 75, 0) }
```

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

```
.background{ background-color: rgb(227, 75,  
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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