

Converting Colors

$Y_{xy}(21.0317, 0.6110, 0.3846)$

Have a look what the booklet for
Yxy(21.0317, 0.6110, 0.3846)
contains.

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Color

Yxy(21.2009, 0.5904, 0.3694)

Conversions

Conversions Part 1

Format	Color
Hex	E24B00
RGB	226, 75, 0
RGB Percent	89%, 29%, 0%
CMY	0.1137, 0.7059, 0.9999
CMYK	0.00, 0.67, 1.00, 0.11
HSL	20°, 100%, 44%
HSV	20°, 100%, 89%
XYZ	33.8847, 21.2009, 2.3072
YIQ	111.5990, 114.0710, 8.6870

Conversions

Conversions Part 2

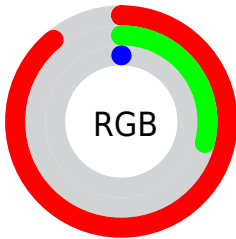
Format	Color
RYB	226, 112, 0
Decimal	14830336
CIELab	53.17, 56.39, 63.91
CIELCh	53, 85.235, 48.576
Yxy	21.2009, 0.5904, 0.3694
Android (android.graphics.Color)	4293020416 (0xFFE24B00)
YUV	111.5990, -55.0183, 100.3297
Hunter-Lab	46.0444, 50.7827, 29.2602

Details

The Yxy color **21.2009, 0.5904, 0.3694** 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 **27.6472, 0.1931, 0.2152**, and the grayscale version is **16.2189, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8404, 0.5163, 0.3890**, and **7.7248, 0.6390, 0.3308** is the 20% darker color. If you saturate the color by 10%, you get **21.1988, 0.5904, 0.3694**, and if you desaturate by 10%, it is **23.5601, 0.5654, 0.3786**.

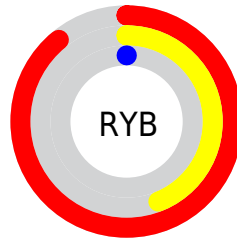
Distribution



Red (89%)

Green (29%)

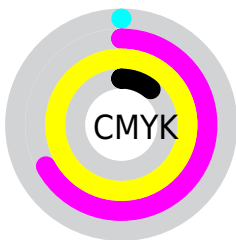
Blue (0%)



Red (89%)

Yellow (44%)

Blue (0%)

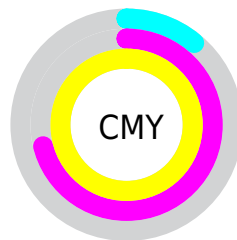


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (71%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2009, 0.5904, 0.3694 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 21.2009, 0.5904, 0.3694 by changing the saturation by 10% instead.


 21.2009, 0.5904,
0.3694

 21.2009, 0.5904,
0.3694


258.3442, 0.4468,
0.3709


 13.2709, 0.6212,
0.3589


 45.4216, 0.5408,
0.3773


 7.6154, 0.6586,
0.3414


 62.4812, 0.5210,
0.3780

 3.8498, 0.6929,
0.3071

 83.3528, 0.5040,
0.3776

 1.5899, 0.7429,
0.2571

 108.4207, 0.4893,
0.3766

 0.3508, 0.8534,
0.1466

 138.0694, 0.4765,
0.3753

 0.0000, 1.0000,
0.0000

 172.6833, 0.4653,

 0.0000, 0.0000,


0.3739


0.0000


 212.6468, 0.4555,
0.3724


 21.2009, 0.5904,
0.3694


 21.2009, 0.5904,
0.3694

 21.1988, 0.5904,
0.3694

 23.5601, 0.5654,
0.3786

 26.5065, 0.5343,
0.3836

 30.0932, 0.4992,
0.3836

 34.3598, 0.4636,
0.3796

 39.3423, 0.4297,
0.3728

■ 45.0738, 0.3990,
0.3644

■ 51.5852, 0.3722,
0.3553

■ 58.9056, 0.3490,
0.3461

■ 67.0623, 0.3294,
0.3373

Harmonies

Analogous

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



21.2009, 0.5651, 0.2896



21.2009, 0.5904, 0.3694



21.2009, 0.5220, 0.4655

Triad

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



21.2009, 0.5904, 0.3694



21.2009, 0.1735, 0.4894



21.2009, 0.1674, 0.1356

Complementary

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



21.2009, 0.5904, 0.3694



27.6472, 0.1931, 0.2152

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.



21.2009, 0.1116, 0.1398



21.2009, 0.5904, 0.3694



21.2009, 0.1089, 0.2956

Square

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



21.2009, 0.5904, 0.3694



21.2009, 0.2844, 0.6171



21.2009, 0.0929, 0.1834



21.2009, 0.2754, 0.1618

Rectangle

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



21.2009, 0.5904, 0.3694



21.2009, 0.4488, 0.5381



21.2009, 0.0929, 0.1834



21.2009, 0.1438, 0.1335

Sweetspot

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



21.2022, 0.5904, 0.3694



67.6196, 0.3727, 0.3555



18.5209, 0.4225, 0.2101



13.6704, 0.3837, 0.3594



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.



21.2022, 0.5904, 0.3694



27.6903, 0.5916, 0.3685



50.6977, 0.4564, 0.4758



14.4395, 0.3284, 0.3368



12.2865, 0.5876, 0.3717



1.0120, 0.5575, 0.3955

Inverse Universe

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



27.6472, 0.1931, 0.2152



36.1291, 0.1929, 0.2144



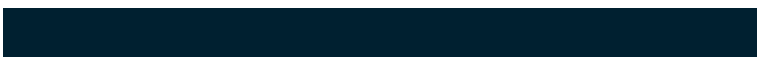
7.1105, 0.1543, 0.0755



14.7662, 0.2982, 0.3210



15.9939, 0.1937, 0.2172



1.2708, 0.1990, 0.2364

Previews

White Background



This preview shows how the Yxy color 21.2009, 0.5904, 0.3694 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 21.2009, 0.5904, 0.3694 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 21.2009, 0.5904, 0.3694

Background



This preview shows how black text looks on a background with the Yxy color 21.2009, 0.5904, 0.3694.



This preview shows how white text looks on a background with the Yxy color 21.2009, 0.5904, 0.3694.

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

21.2009, 0.5904, 0.3694

Protanopia

21.4336, 0.4327, 0.4784

Deuteranopia

21.2518, 0.4707, 0.4645



Tritanopia

21.1923, 0.5411, 0.3270

Trichromacy



Original Color

21.2009, 0.5904, 0.3694

Protanomaly

19.9704, 0.4994, 0.4334

Deuteranomaly

20.2149, 0.5226, 0.4233

Tritanomaly

21.1629, 0.5700, 0.3498

Monochromacy



Original Color

21.2009, 0.5904, 0.3694

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.1509, 0.4359, 0.3758

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2009, 0.5904, 0.3694 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(226, 75, 0)` looks like.

```
.text, #text, p{  
    color:rgb(226, 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(226, 75, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 75, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.2009, 0.5904, 0.3694 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(226, 75, 0) }
```

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

```
.border{ border-color:rgb(226, 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(226, 75, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 75, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 75, 0);  
box-shadow:4px 4px 4px 4px rgb(226, 75, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.2009, 0.5904, 0.3694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 75, 0) }
```

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

```
.background{ background-color: rgb(226, 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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