

Converting Colors

$Y_{xy}(21.2478, 0.5594, 0.3941)$

Have a look what the booklet for
Yxy(21.2478, 0.5594, 0.3941)
contains.

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Color

Yxy(21.2096, 0.5595, 0.3940)

Conversions

Conversions Part 1

Format	Color
Hex	D15C00
RGB	209, 92, 0
RGB Percent	82%, 36%, 0%
CMY	0.1804, 0.6391, 1.0000
CMYK	0.00, 0.56, 1.00, 0.18
HSL	26°, 100%, 41%
HSV	26°, 100%, 82%
XYZ	30.1187, 21.2096, 2.5032
YIQ	116.4950, 99.2640, -3.8080

Conversions

Conversions Part 2

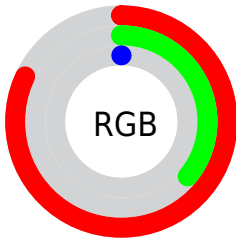
Format	Color
R_{YB}	209, 164, 0
Decimal	13720576
CIE _{Lab}	53.18, 42.70, 62.40
CIE _{LCh}	53, 75.614, 55.619
Yxy	21.2096, 0.5595, 0.3940
Android (android.graphics.Color)	4291910656 (0xFFD15C00)
YUV	116.4950, -57.4320, 81.1269
Hunter-Lab	46.0539, 36.1427, 29.0151

Details

The Yxy color **21.2096, 0.5595, 0.3940** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **17.3182, 0.1825, 0.1769**, and the grayscale version is **17.7847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.8697, 0.5017, 0.4020**, and **7.7206, 0.5997, 0.3620** is the 20% darker color. If you saturate the color by 10%, you get **21.2110, 0.5595, 0.3940**, and if you desaturate by 10%, it is **23.4507, 0.5370, 0.4017**.

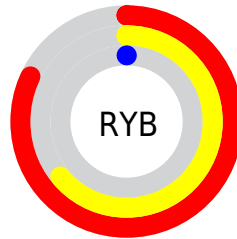
Distribution



Red (82%)

Green (36%)

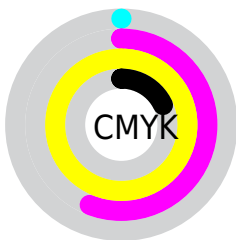
Blue (0%)



Red (82%)

Yellow (64%)

Blue (0%)

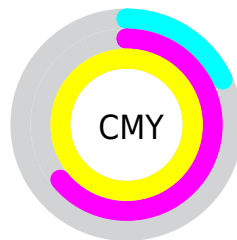


Cyan (0%)

Magenta (56%)

Yellow (100%)

Black (18%)



Cyan (18%)


Magenta (64%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.2096, 0.5595, 0.3940 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 21.2096, 0.5595, 0.3940 by changing the saturation by 10% instead.


 21.2096, 0.5595,
0.3940


 21.2096, 0.5595,
0.3940


258.3903, 0.4313,
0.3786


 13.2773, 0.5871,
0.3883


 45.4361, 0.5149,
0.3949


 7.6198, 0.6224,
0.3776


 62.4991, 0.4972,
0.3932


 3.8526, 0.6515,
0.3485


 83.3744, 0.4820,
0.3908

 1.5915, 0.6955,
0.3045

 108.4465, 0.4690,
0.3883

 0.3518, 0.8098,
0.1902

 138.0998, 0.4576,
0.3857

 0.0000, 1.0000,
0.0000

 172.7186, 0.4477,

 0.0000, 0.0000,


0.3832

0.0000

 212.6873, 0.4390,
0.3808


 21.2096, 0.5595,
0.3940


 21.2096, 0.5595,
0.3940


 21.2110, 0.5595,
0.3940

 23.4507, 0.5370,
0.4017

 26.0750, 0.5104,
0.4047

 29.1160, 0.4808,
0.4025

 32.5965, 0.4504,
0.3960

 36.5367, 0.4211,
0.3865

■ 40.9554, 0.3939,
0.3754

■ 45.8702, 0.3694,
0.3635

■ 51.2975, 0.3478,
0.3515

■ 57.2529, 0.3290,
0.3399

Harmonies

Analogous

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



21.2096, 0.5545, 0.3145



21.2096, 0.5595, 0.3940



21.2096, 0.4885, 0.4852

Triad

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



21.2096, 0.5595, 0.3940



21.2096, 0.1698, 0.4283



21.2096, 0.1990, 0.1532

Complementary

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



21.2096, 0.5595, 0.3940



17.3182, 0.1825, 0.1769

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.



21.2096, 0.1352, 0.1508



21.2096, 0.5595, 0.3940



21.2096, 0.1183, 0.2711

Square

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



21.2096, 0.5595, 0.3940



21.2096, 0.2673, 0.5688



21.2096, 0.1098, 0.1836



21.2096, 0.3108, 0.1849

Rectangle

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



21.2096, 0.5595, 0.3940



21.2096, 0.4194, 0.5455



21.2096, 0.1098, 0.1836



21.2096, 0.1728, 0.1491

Sweetspot

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



21.2110, 0.5595, 0.3940



71.6732, 0.3702, 0.3639



14.8717, 0.4693, 0.2359



14.6191, 0.3803, 0.3690



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.



21.2110, 0.5595, 0.3940



32.9098, 0.5613, 0.3925



52.6084, 0.4316, 0.4955



12.6526, 0.3280, 0.3393



13.2692, 0.5570, 0.3959



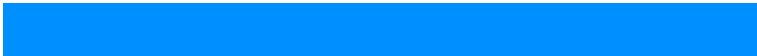
0.8988, 0.5255, 0.4209

Inverse Universe

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



17.3182, 0.1825, 0.1769



26.7815, 0.1820, 0.1751



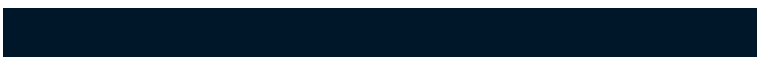
4.9151, 0.1510, 0.0636



12.4995, 0.2983, 0.3185



10.8787, 0.1831, 0.1792



0.7650, 0.1915, 0.2093

Previews

White Background



This preview shows how the Yxy color 21.2096, 0.5595, 0.3940 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 21.2096, 0.5595, 0.3940 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 21.2096, 0.5595, 0.3940

Background



This preview shows how black text looks on a background with the Yxy color 21.2096, 0.5595, 0.3940.



This preview shows how white text looks on a background with the Yxy color 21.2096, 0.5595, 0.3940.

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

21.2096, 0.5595, 0.3940

Protanopia

21.4181, 0.4344, 0.4809

Deuteranopia

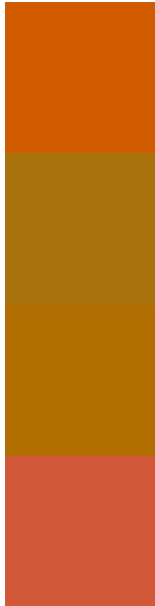
21.2518, 0.4707, 0.4645



Tritanopia

21.2598, 0.4887, 0.3238

Trichromacy



Original Color

21.2096, 0.5595, 0.3940

Protanomaly

20.6154, 0.4843, 0.4467

Deuteranomaly

20.6168, 0.5064, 0.4361

Tritanomaly

20.9866, 0.5293, 0.3603

Monochromacy



Original Color

21.2096, 0.5595, 0.3940

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.7036, 0.4190, 0.3868

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2096, 0.5595, 0.3940 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(209, 92, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 92, 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(209, 92, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 92, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.2096, 0.5595, 0.3940 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(209, 92, 0) }
```

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

```
.border{ border-color:rgb(209, 92, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 92, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 92, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 92, 0);  
box-shadow:4px 4px 4px 4px rgb(209, 92, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.2096, 0.5595, 0.3940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 92, 0) }
```

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

```
.background{ background-color: rgb(209, 92,  
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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