

Converting Colors

$Y_{xy}(21.2817, 0.5437, 0.3959)$

Have a look what the booklet for
Yxy(21.2817, 0.5437, 0.3959)
contains.

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Color

Yxy(21.2536, 0.5441, 0.3959)

Conversions

Conversions Part 1

Format	Color
Hex	CC6014
RGB	204, 96, 20
RGB Percent	80%, 38%, 8%
CMY	0.2000, 0.6235, 0.9219
CMYK	0.00, 0.53, 0.90, 0.20
HSL	25°, 82%, 44%
HSV	25°, 90%, 80%
XYZ	29.2096, 21.2536, 3.2211
YIQ	119.6280, 88.7640, -0.7400

Conversions

Conversions Part 2

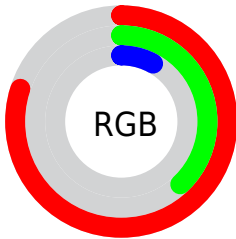
Format	Color
RYB	204, 149, 20
Decimal	13393940
CIELab	53.23, 39.03, 57.50
CIELCh	53, 69.494, 55.833
Yxy	21.2536, 0.5441, 0.3959
Android (android.graphics.Color)	4291584020 (0xFFCC6014)
YUV	119.6280, -49.1166, 73.9942
Hunter-Lab	46.1016, 32.4183, 28.1286

Details

The Yxy color **21.2536, 0.5441, 0.3959** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **19.9222, 0.1912, 0.2017**, and the grayscale version is **18.7946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2493, 0.4906, 0.3986**, and **7.7164, 0.5890, 0.3705** is the 20% darker color. If you saturate the color by 10%, you get **19.2274, 0.5670, 0.3880**, and if you desaturate by 10%, it is **23.7128, 0.5163, 0.3995**.

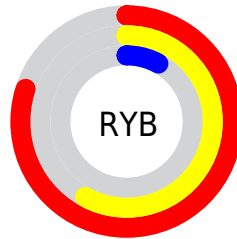
Distribution



Red (80%)

Green (38%)

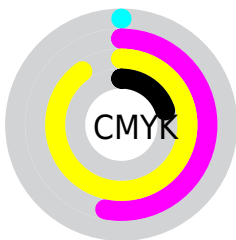
Blue (8%)



Red (80%)

Yellow (58%)

Blue (8%)

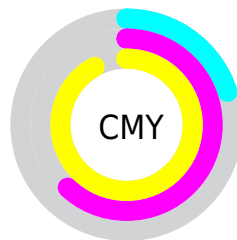


Cyan (0%)

Magenta (53%)

Yellow (90%)

Black (20%)



Cyan (20%)


Magenta (62%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2536, 0.5441, 0.3959 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 21.2536, 0.5441, 0.3959 by changing the saturation by 10% instead.


 21.2536, 0.5441,
0.3959


 21.2536, 0.5441,
0.3959


258.6232, 0.4218,
0.3759


 13.3095, 0.5718,
0.3926


 45.5092, 0.5005,
0.3941

 7.6420, 0.6120,
0.3880


 62.5895, 0.4837,
0.3916

 3.8667, 0.6393,
0.3607

 83.4840, 0.4693,
0.3888

 1.5993, 0.6811,
0.3189

 108.5771, 0.4570,
0.3860

 0.3571, 0.7941,
0.2059

 138.2532, 0.4463,
0.3833


 0.0000, 1.0000,
0.0000

 172.8966, 0.4371,

 0.0000, 0.0000,

0.3807

0.0000

 212.8918, 0.4290,
0.3782


 21.2536, 0.5441,
0.3959

 21.2536, 0.5441,
0.3959


 19.2274, 0.5670,
0.3880

 23.7128, 0.5163,
0.3995

 26.5907, 0.4855,
0.3979

 29.9117, 0.4539,
0.3920

 33.6970, 0.4235,
0.3833

 37.9660, 0.3955,
0.3728

■ 42.7366, 0.3704,
0.3616

■ 48.0260, 0.3485,
0.3504

■ 53.8503, 0.3295,
0.3395

■ 60.2250, 0.3131,
0.3292

Harmonies

Analogous

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



21.2536, 0.5366, 0.3190



21.2536, 0.5441, 0.3959



21.2536, 0.4806, 0.4808

Triad

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



21.2536, 0.5441, 0.3959



21.2536, 0.1802, 0.4190



21.2536, 0.2074, 0.1633

Complementary

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



21.2536, 0.5441, 0.3959



19.9222, 0.1912, 0.2017

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.



21.2536, 0.1456, 0.1612



21.2536, 0.5441, 0.3959



21.2536, 0.1298, 0.2766

Square

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



21.2536, 0.5441, 0.3959



21.2536, 0.2730, 0.5459



21.2536, 0.1208, 0.1936



21.2536, 0.3127, 0.1939

Rectangle

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



21.2536, 0.5441, 0.3959



21.2536, 0.4167, 0.5338



21.2536, 0.1208, 0.1936



21.2536, 0.1821, 0.1593

Sweetspot

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



21.2548, 0.5441, 0.3959



73.2137, 0.3638, 0.3584



14.9560, 0.4375, 0.2240



15.0470, 0.3718, 0.3623



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.



21.2548, 0.5441, 0.3959



31.4458, 0.5692, 0.3863



47.8316, 0.4337, 0.4882



11.9627, 0.3280, 0.3386



12.2766, 0.5645, 0.3900



0.7818, 0.5295, 0.4177

Inverse Universe

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



19.9222, 0.1912, 0.2017



28.9037, 0.1847, 0.1847



5.9150, 0.1576, 0.0784



11.9193, 0.2983, 0.3192



11.3372, 0.1858, 0.1888



0.7323, 0.1942, 0.2190

Previews

White Background



This preview shows how the Yxy color 21.2536, 0.5441, 0.3959 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 21.2536, 0.5441, 0.3959 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 21.2536, 0.5441, 0.3959

Background



This preview shows how black text looks on a background with the Yxy color 21.2536, 0.5441, 0.3959.



This preview shows how white text looks on a background with the Yxy color 21.2536, 0.5441, 0.3959.

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

21.2536, 0.5441, 0.3959

Protanopia

21.4515, 0.4309, 0.4757

Deuteranopia

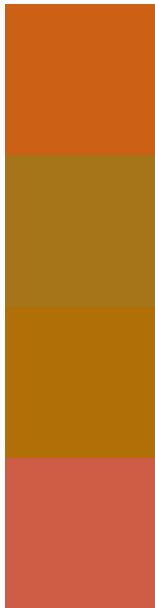
21.2518, 0.4707, 0.4645



Tritanopia

21.2364, 0.4762, 0.3224

Trichromacy



Original Color

21.2536, 0.5441, 0.3959

Protanomaly

20.6680, 0.4757, 0.4439

Deuteranomaly

20.9508, 0.5003, 0.4374

Tritanomaly

21.1935, 0.5098, 0.3563

Monochromacy



Original Color

21.2536, 0.5441, 0.3959

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.5883, 0.4045, 0.3751

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2536, 0.5441, 0.3959 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(204, 96, 20)` looks like.

```
.text, #text, p{  
  color:rgb(204, 96, 20)  
}
```

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(204, 96, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 96, 20) }
```

Border

The CSS property to change the border of an element to Yxy 21.2536, 0.5441, 0.3959 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(204, 96, 20) }
```

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

```
.border{ border-color:rgb(204, 96, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 96, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 96, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 96, 20);  
box-shadow:4px 4px 4px 4px rgb(204, 96,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2536, 0.5441, 0.3959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 96, 20) }
```

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

```
.background{ background-color: rgb(204, 96,  
20) }
```

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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