

Converting Colors

$Y_{xy}(21.2972, 0.5666, 0.3883)$

Have a look what the booklet for
Yxy(21.2972, 0.5666, 0.3883)
contains.

Yxy(21.2909, 0.5661, 0.3887)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.2909, 0.5661, 0.3887)

Conversions

Conversions Part 1

Format	Color
Hex	D55900
RGB	213, 89, 0
RGB Percent	84%, 35%, 0%
CMY	0.1648, 0.6509, 0.9999
CMYK	0.00, 0.58, 1.00, 0.16
HSL	25°, 100%, 42%
HSV	25°, 100%, 84%
XYZ	31.0079, 21.2909, 2.4758
YIQ	115.9300, 102.4730, -1.3910

Conversions

Conversions Part 2

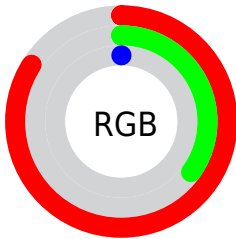
Format	Color
RYB	213, 153, 0
Decimal	13981952
CIELab	53.27, 45.64, 62.76
CIELCh	53, 77.604, 53.976
Yxy	21.2909, 0.5661, 0.3887
Android (android.graphics.Color)	4292172032 (0xFFD55900)
YUV	115.9300, -57.1535, 85.1304
Hunter-Lab	46.1421, 39.2051, 29.1182

Details

The Yxy color **21.2909, 0.5661, 0.3887** 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 **19.2109, 0.1846, 0.1846**, and the grayscale version is **17.6012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9649, 0.5047, 0.3991**, and **7.6861, 0.6086, 0.3550** is the 20% darker color. If you saturate the color by 10%, you get **21.2897, 0.5661, 0.3887**, and if you desaturate by 10%, it is **23.5879, 0.5429, 0.3969**.

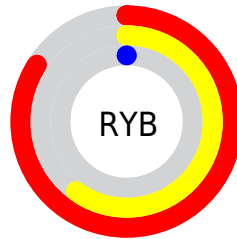
Distribution



Red (84%)

Green (35%)

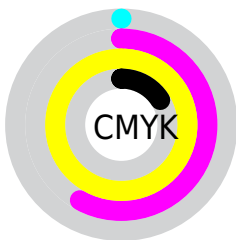
Blue (0%)



Red (84%)

Yellow (60%)

Blue (0%)

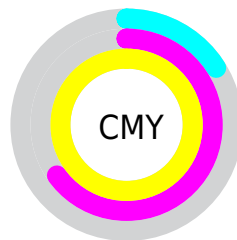


Cyan (0%)

Magenta (58%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (65%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.2909, 0.5661, 0.3887 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 21.2909, 0.5661, 0.3887 by changing the saturation by 10% instead.


 21.2909, 0.5661,
0.3887


 21.2909, 0.5661,
0.3887


258.8204, 0.4346,
0.3770


 13.3368, 0.5944,
0.3819


 45.5712, 0.5204,
0.3912

 7.6609, 0.6302,
0.3698


 62.6661, 0.5023,
0.3899


 3.8787, 0.6605,
0.3395

 83.5769, 0.4867,
0.3880

 1.6060, 0.7059,
0.2941

 108.6877, 0.4733,
0.3858

 0.3616, 0.8176,
0.1824

 138.3831, 0.4617,
0.3835

 0.0000, 1.0000,
0.0000


 173.0474, 0.4515,


 0.0000, 0.0000,


0.3813


0.0000


 213.0651, 0.4425,
0.3791


 21.2909, 0.5661,
0.3887


 21.2909, 0.5661,
0.3887


 21.2897, 0.5661,
0.3887

 23.5879, 0.5429,
0.3969

 26.3084, 0.5153,
0.4004

 29.4890, 0.4846,
0.3986

 33.1552, 0.4531,
0.3927

 37.3300, 0.4228,
0.3838

■ 42.0345, 0.3949,
0.3732

■ 47.2886, 0.3700,
0.3618

■ 53.1109, 0.3481,
0.3504

■ 59.5190, 0.3291,
0.3394

Harmonies

Analogous

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



21.2909, 0.5568, 0.3091



21.2909, 0.5661, 0.3887



21.2909, 0.4957, 0.4811

Triad

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



21.2909, 0.5661, 0.3887



21.2909, 0.1708, 0.4408



21.2909, 0.1919, 0.1494

Complementary

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



21.2909, 0.5661, 0.3887



19.2109, 0.1846, 0.1846

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.



21.2909, 0.1299, 0.1485



21.2909, 0.5661, 0.3887



21.2909, 0.1164, 0.2762

Square

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



21.2909, 0.5661, 0.3887



21.2909, 0.2714, 0.5797



21.2909, 0.1061, 0.1837



21.2909, 0.3030, 0.1799

Rectangle

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



21.2909, 0.5661, 0.3887



21.2909, 0.4259, 0.5443



21.2909, 0.1061, 0.1837



21.2909, 0.1663, 0.1457

Sweetspot

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



21.2921, 0.5661, 0.3887



70.8220, 0.3707, 0.3622



15.6044, 0.4625, 0.2322



14.4192, 0.3810, 0.3670



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.



21.2921, 0.5661, 0.3887



31.6879, 0.5678, 0.3873



53.2757, 0.4349, 0.4929



13.2652, 0.3281, 0.3388



13.1997, 0.5636, 0.3907



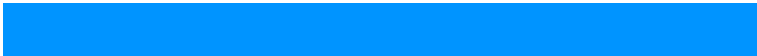
0.9577, 0.5328, 0.4151

Inverse Universe

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



19.2109, 0.1846, 0.1846



28.5319, 0.1842, 0.1831



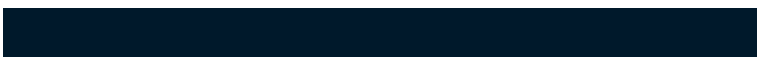
5.2282, 0.1513, 0.0647



13.1974, 0.2982, 0.3190



11.9422, 0.1852, 0.1868



0.8822, 0.1928, 0.2139

Previews

White Background



This preview shows how the Yxy color 21.2909, 0.5661, 0.3887 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 21.2909, 0.5661, 0.3887 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 21.2909, 0.5661, 0.3887

Background



This preview shows how black text looks on a background with the Yxy color 21.2909, 0.5661, 0.3887.



This preview shows how white text looks on a background with the Yxy color 21.2909, 0.5661, 0.3887.

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

21.2909, 0.5661, 0.3887

Protanopia

21.4218, 0.4340, 0.4803

Deuteranopia

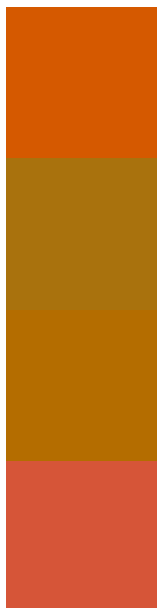
21.2518, 0.4707, 0.4645



Tritanopia

21.3382, 0.4994, 0.3241

Trichromacy



Original Color

21.2909, 0.5661, 0.3887

Protanomaly

20.4987, 0.4870, 0.4446

Deuteranomaly

20.6406, 0.5099, 0.4333

Tritanomaly

21.0787, 0.5380, 0.3578

Monochromacy



Original Color

21.2909, 0.5661, 0.3887

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.3818, 0.4222, 0.3832

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2909, 0.5661, 0.3887 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(213, 89, 0)` looks like.

```
.text, #text, p{  
    color:rgb(213, 89, 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(213, 89, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 89, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.2909, 0.5661, 0.3887 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(213, 89, 0) }
```

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

```
.border{ border-color:rgb(213, 89, 0) }
```

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

Here you see how a box with a 4 pixel rgb(213, 89, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 89, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 89, 0);  
box-shadow:4px 4px 4px 4px rgb(213, 89, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.2909, 0.5661, 0.3887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 89, 0) }
```

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

```
.background{ background-color: rgb(213, 89,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor