

Converting Colors

$Y_{xy}(21.5741, 0.5812, 0.4110)$

Have a look what the booklet for
Yxy(21.5741, 0.5812, 0.4110)
contains.

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Color

Yxy(21.8258, 0.5601, 0.3935)

Conversions

Conversions Part 1

Format	Color
Hex	D45D00
RGB	212, 93, 0
RGB Percent	83%, 36%, 0%
CMY	0.1686, 0.6353, 1.0000
CMYK	0.00, 0.56, 1.00, 0.17
HSL	26°, 100%, 42%
HSV	26°, 100%, 83%
XYZ	31.0664, 21.8258, 2.5736
YIQ	117.9790, 100.7770, -3.6950

Conversions

Conversions Part 2

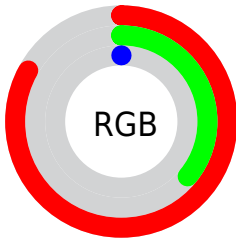
Format	Color
R _Y B	212, 166, 0
Decimal	13917440
CIE Lab	53.84, 43.38, 63.02
CIE LCh	54, 76.505, 55.460
Yxy	21.8258, 0.5601, 0.3935
Android (android.graphics.Color)	4292107520 (0xFFD45D00)
YUV	117.9790, -58.1636, 82.4564
Hunter-Lab	46.7181, 36.9415, 29.4365

Details

The Yxy color **21.8258, 0.5601, 0.3935** 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 **17.9470, 0.1826, 0.1773**, and the grayscale version is **18.2729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1879, 0.5001, 0.4023**, and **7.9754, 0.5992, 0.3624** is the 20% darker color. If you saturate the color by 10%, you get **21.8272, 0.5601, 0.3935**, and if you desaturate by 10%, it is **24.1362, 0.5376, 0.4013**.

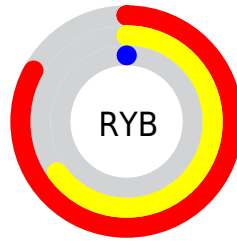
Distribution



Red (83%)

Green (36%)

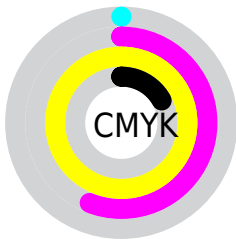
Blue (0%)



Red (83%)

Yellow (65%)

Blue (0%)

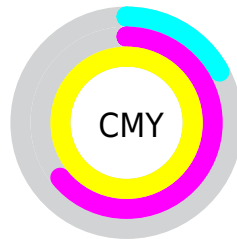


Cyan (0%)

Magenta (56%)

Yellow (100%)

Black (17%)



Cyan (17%)

Magenta (64%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8258, 0.5601, 0.3935 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 21.8258, 0.5601, 0.3935 by changing the saturation by 10% instead.


 21.8258, 0.5601,
0.3935


 21.8258, 0.5601,
0.3935


261.6352, 0.4322,
0.3786


 13.7290, 0.5875,
0.3877


 46.4579, 0.5157,
0.3946


 7.9324, 0.6227,
0.3773


 63.7620, 0.4981,
0.3929


 4.0517, 0.6513,
0.3487

 84.9039, 0.4830,
0.3907

 1.7025, 0.6945,
0.3055

 110.2681, 0.4699,
0.3882

 0.4253, 0.7929,
0.2071

 140.2389, 0.4586,
0.3857


 0.0000, 1.0000,
0.0000


 175.2008, 0.4487,

 0.0000, 0.0000,

0.3832

0.0000

 215.5381, 0.4399,
0.3808


 21.8258, 0.5601,
0.3935


 21.8258, 0.5601,
0.3935

 21.8272, 0.5601,
0.3935

 24.1362, 0.5376,
0.4013

 26.8447, 0.5109,
0.4044

 29.9860, 0.4812,
0.4022

 33.5836, 0.4508,
0.3958

 37.6587, 0.4213,
0.3864

■ 42.2310, 0.3940,
0.3753

■ 47.3185, 0.3695,
0.3634

■ 52.9384, 0.3479,
0.3515

■ 59.1071, 0.3290,
0.3399

Harmonies

Analogous

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



21.8258, 0.5547, 0.3140



21.8258, 0.5601, 0.3935



21.8258, 0.4892, 0.4848

Triad

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



21.8258, 0.5601, 0.3935



21.8258, 0.1699, 0.4295



21.8258, 0.1983, 0.1529

Complementary

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



21.8258, 0.5601, 0.3935



17.9470, 0.1826, 0.1773

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.



21.8258, 0.1347, 0.1506



21.8258, 0.5601, 0.3935



21.8258, 0.1181, 0.2716

Square

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



21.8258, 0.5601, 0.3935



21.8258, 0.2677, 0.5698



21.8258, 0.1095, 0.1837



21.8258, 0.3101, 0.1845

Rectangle

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



21.8258, 0.5601, 0.3935



21.8258, 0.4200, 0.5454



21.8258, 0.1095, 0.1837



21.8258, 0.1722, 0.1488

Sweetspot

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



21.8272, 0.5601, 0.3935



71.6116, 0.3702, 0.3638



15.3569, 0.4695, 0.2360



14.6046, 0.3804, 0.3689



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.



21.8272, 0.5601, 0.3935



32.8191, 0.5618, 0.3921



54.3263, 0.4316, 0.4955



13.3083, 0.3280, 0.3393



13.6666, 0.5577, 0.3954



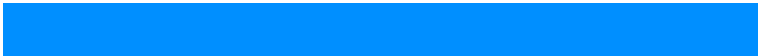
0.9875, 0.5279, 0.4190

Inverse Universe

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



17.9470, 0.1826, 0.1773



26.9048, 0.1822, 0.1757



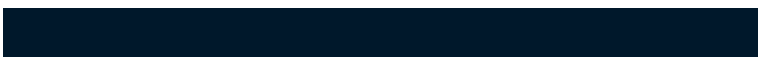
5.0713, 0.1510, 0.0636



13.1535, 0.2982, 0.3185



11.2819, 0.1832, 0.1796



0.8441, 0.1911, 0.2078

Previews

White Background



This preview shows how the Yxy color 21.8258, 0.5601, 0.3935 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 21.8258, 0.5601, 0.3935 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 21.8258, 0.5601, 0.3935

Background



This preview shows how black text looks on a background with the Yxy color 21.8258, 0.5601, 0.3935.



This preview shows how white text looks on a background with the Yxy color 21.8258, 0.5601, 0.3935.

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

21.8258, 0.5601, 0.3935

Protanopia

22.1268, 0.4343, 0.4813

Deuteranopia

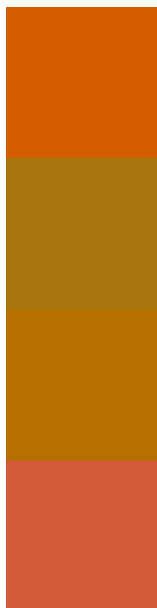
21.9524, 0.4700, 0.4650



Tritanopia

21.8852, 0.4895, 0.3239

Trichromacy



Original Color

21.8258, 0.5601, 0.3935

Protanomaly

21.2977, 0.4836, 0.4475

Deuteranomaly

21.4121, 0.5063, 0.4362

Tritanomaly

21.6067, 0.5297, 0.3599

Monochromacy



Original Color

21.8258, 0.5601, 0.3935

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.1207, 0.4196, 0.3862

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8258, 0.5601, 0.3935 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(212, 93, 0)` looks like.

```
.text, #text, p{  
    color:rgb(212, 93, 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(212, 93, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 93, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.8258, 0.5601, 0.3935 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(212, 93, 0) }
```

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

```
.border{ border-color:rgb(212, 93, 0) }
```

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

Here you see how a box with a 4 pixel rgb(212, 93, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 93, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 93, 0);  
box-shadow:4px 4px 4px 4px rgb(212, 93, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.8258, 0.5601, 0.3935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 93, 0) }
```

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

```
.background{ background-color: rgb(212, 93,  
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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