

Converting Colors

$Yxy(21.1234, 0.5638, 0.3905)$

Have a look what the booklet for
Yxy(21.1234, 0.5638, 0.3905)
contains.

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Color

Yxy(21.1612, 0.5635, 0.3907)

Conversions

Conversions Part 1

Format	Color
Hex	D35A00
RGB	211, 90, 0
RGB Percent	83%, 35%, 0%
CMY	0.1726, 0.6470, 0.9993
CMYK	0.00, 0.57, 1.00, 0.17
HSL	26°, 100%, 41%
HSV	26°, 100%, 83%
XYZ	30.5204, 21.1612, 2.4806
YIQ	115.9190, 101.0060, -2.3380

Conversions

Conversions Part 2

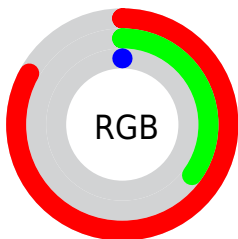
Format	Color
RYB	211, 157, 0
Decimal	13851136
CIELab	53.13, 44.44, 62.48
CIELCh	53, 76.673, 54.582
Yxy	21.1612, 0.5635, 0.3907
Android (android.graphics.Color)	4292041216 (0xFFD35A00)
YUV	115.9190, -57.1481, 83.3860
Hunter-Lab	46.0013, 37.9269, 29.0037

Details

The Yxy color **21.1612, 0.5635, 0.3907** 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 **18.4176, 0.1839, 0.1819**, and the grayscale version is **17.6011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2638, 0.5037, 0.4000**, and **7.6190, 0.6048, 0.3579** is the 20% darker color. If you saturate the color by 10%, you get **21.1457, 0.5637, 0.3906**, and if you desaturate by 10%, it is **23.4292, 0.5405, 0.3987**.

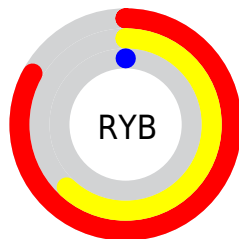
Distribution



Red (83%)

Green (35%)

Blue (0%)



Red (83%)

Yellow (62%)

Blue (0%)

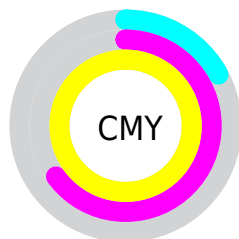


Cyan (0%)

Magenta (57%)

Yellow (100%)

Black (17%)



Cyan (17%)


Magenta (65%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1612, 0.5635, 0.3907 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 21.1612, 0.5635, 0.3907 by changing the saturation by 10% instead.


 21.1612, 0.5635,
0.3907


 21.1612, 0.5635,
0.3907


258.1339, 0.4332,
0.3775


 13.2419, 0.5916,
0.3843


 45.3557, 0.5181,
0.3926


 7.5953, 0.6273,
0.3727


 62.3996, 0.5002,
0.3911


 3.8371, 0.6572,
0.3428

 83.2539, 0.4848,
0.3890

 1.5829, 0.7023,
0.2977

 108.3029, 0.4715,
0.3867

 0.3460, 0.8178,
0.1822

 137.9310, 0.4599,
0.3843

 0.0000, 1.0000,
0.0000


 172.5226, 0.4499,


 0.0000, 0.0000,


0.3820


0.0000


 212.4621, 0.4410,
0.3797


 21.1612, 0.5635,
0.3907


 21.1612, 0.5635,
0.3907


 21.1457, 0.5637,
0.3906

 23.4292, 0.5405,
0.3987

 26.1037, 0.5132,
0.4020

 29.2197, 0.4829,
0.4000

 32.8016, 0.4519,
0.3938

 36.8711, 0.4220,
0.3847

■ 41.4484, 0.3943,
0.3739

■ 46.5522, 0.3696,
0.3623

■ 52.2003, 0.3478,
0.3507

■ 58.4093, 0.3289,
0.3395

Harmonies

Analogous

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



21.1612, 0.5557, 0.3112



21.1612, 0.5635, 0.3907



21.1612, 0.4930, 0.4826

Triad

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



21.1612, 0.5635, 0.3907



21.1612, 0.1706, 0.4360



21.1612, 0.1946, 0.1509

Complementary

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



21.1612, 0.5635, 0.3907



18.4176, 0.1839, 0.1819

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.



21.1612, 0.1320, 0.1495



21.1612, 0.5635, 0.3907



21.1612, 0.1172, 0.2743

Square

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



21.1612, 0.5635, 0.3907



21.1612, 0.2700, 0.5755



21.1612, 0.1076, 0.1838



21.1612, 0.3059, 0.1818

Rectangle

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



21.1612, 0.5635, 0.3907



21.1612, 0.4235, 0.5447



21.1612, 0.1076, 0.1838



21.1612, 0.1688, 0.1471

Sweetspot

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



21.1624, 0.5635, 0.3907



71.1318, 0.3705, 0.3628



15.2860, 0.4623, 0.2321



14.4919, 0.3808, 0.3678



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.



21.1624, 0.5635, 0.3907



32.1250, 0.5655, 0.3892



52.1784, 0.4348, 0.4929



12.6246, 0.3280, 0.3389



12.9559, 0.5611, 0.3927



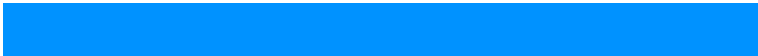
0.8803, 0.5289, 0.4183

Inverse Universe

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



18.4176, 0.1839, 0.1819



27.8826, 0.1834, 0.1802



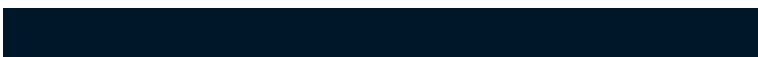
5.1283, 0.1514, 0.0648



12.5280, 0.2983, 0.3189



11.3111, 0.1845, 0.1842



0.7881, 0.1926, 0.2134

Previews

White Background



This preview shows how the Yxy color 21.1612, 0.5635, 0.3907 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 21.1612, 0.5635, 0.3907 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 21.1612, 0.5635, 0.3907

Background



This preview shows how black text looks on a background with the Yxy color 21.1612, 0.5635, 0.3907.



This preview shows how white text looks on a background with the Yxy color 21.1612, 0.5635, 0.3907.

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

21.1612, 0.5635, 0.3907

Protanopia

21.4181, 0.4344, 0.4809

Deuteranopia

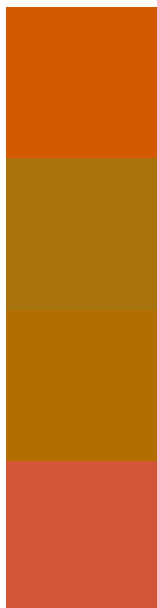
21.2518, 0.4707, 0.4645



Tritanopia

21.2081, 0.4952, 0.3240

Trichromacy



Original Color

21.1612, 0.5635, 0.3907

Protanomaly

20.3885, 0.4859, 0.4454

Deuteranomaly

20.7356, 0.5074, 0.4353

Tritanomaly

20.9480, 0.5342, 0.3585

Monochromacy



Original Color

21.1612, 0.5635, 0.3907

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.5891, 0.4213, 0.3848

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1612, 0.5635, 0.3907 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(211, 90, 0)` looks like.

```
.text, #text, p{  
    color:rgb(211, 90, 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(211, 90, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 90, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.1612, 0.5635, 0.3907 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(211, 90, 0) }
```

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

```
.border{ border-color:rgb(211, 90, 0) }
```

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

Here you see how a box with a 4 pixel rgb(211, 90, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 90, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 90, 0);  
box-shadow:4px 4px 4px 4px rgb(211, 90, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.1612, 0.5635, 0.3907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 90, 0) }
```

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

```
.background{ background-color: rgb(211, 90,  
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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