

Converting Colors

$Y_{xy}(20.7632, 0.5633, 0.3909)$

Have a look what the booklet for
Yxy(20.7632, 0.5633, 0.3909)
contains.

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Color

$\text{Yxy}(20.7001, 0.5637, 0.3907)$

Conversions

Conversions Part 1

Format	Color
Hex	D15900
RGB	209, 89, 0
RGB Percent	82%, 35%, 0%
CMY	0.1804, 0.6509, 1.0000
CMYK	0.00, 0.57, 1.00, 0.18
HSL	26°, 100%, 41%
HSV	26°, 100%, 82%
XYZ	29.8660, 20.7001, 2.4160
YIQ	114.7340, 100.0890, -2.2390

Conversions

Conversions Part 2

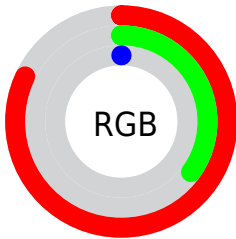
Format	Color
RYB	209, 155, 0
Decimal	13719808
CIELab	52.62, 44.15, 62.11
CIELCh	53, 76.202, 54.593
Yxy	20.7001, 0.5637, 0.3907
Android (android.graphics.Color)	4291909888 (0xFFD15900)
YUV	114.7340, -56.5639, 82.6713
Hunter-Lab	45.4974, 37.5530, 28.6998

Details

The Yxy color **20.7001, 0.5637, 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 **18.0335, 0.1839, 0.1820**, and the grayscale version is **17.2131, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9649, 0.5047, 0.3991**, and **7.3727, 0.6054, 0.3575** is the 20% darker color. If you saturate the color by 10%, you get **20.7017, 0.5636, 0.3907**, and if you desaturate by 10%, it is **22.9181, 0.5407, 0.3986**.

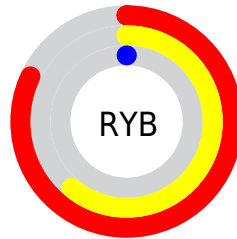
Distribution



Red (82%)

Green (35%)

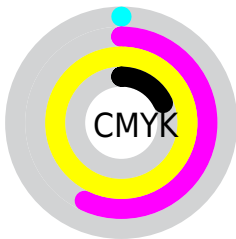
Blue (0%)



Red (82%)

Yellow (61%)

Blue (0%)

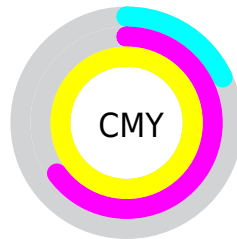


Cyan (0%)

Magenta (57%)

Yellow (100%)

Black (18%)



Cyan (18%)


Magenta (65%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7001, 0.5637, 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 20.7001, 0.5637, 0.3907 by changing the saturation by 10% instead.


 20.7001, 0.5637,
0.3907


 20.7001, 0.5637,
0.3907


255.6804, 0.4328,
0.3774


 12.9050, 0.5921,
0.3843


 44.5879, 0.5181,
0.3926


 7.3631, 0.6278,
0.3722


 61.4493, 0.5000,
0.3911


 3.6902, 0.6581,
0.3419


 82.1016, 0.4845,
0.3890

 1.5018, 0.7041,
0.2959

 106.9292, 0.4712,
0.3867

 0.2900, 0.8347,
0.1653

 136.3165, 0.4596,
0.3843

 0.0000, 1.0000,
0.0000


 170.6479, 0.4495,


 0.0000, 0.0000,


0.3819


0.0000


 210.3077, 0.4407,
0.3796

 20.7001, 0.5637,
0.3907


 20.7001, 0.5637,
0.3907

 20.7017, 0.5636,
0.3907

 22.9181, 0.5407,
0.3986

 25.5330, 0.5134,
0.4019

 28.5797, 0.4831,
0.4000

 32.0820, 0.4520,
0.3938

 36.0612, 0.4221,
0.3847

■ 40.5371, 0.3945,
0.3739

■ 45.5279, 0.3697,
0.3624

■ 51.0510, 0.3480,
0.3508

■ 57.1228, 0.3290,
0.3396

Harmonies

Analogous

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



20.7001, 0.5560, 0.3111



20.7001, 0.5637, 0.3907



20.7001, 0.4930, 0.4827

Triad

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



20.7001, 0.5637, 0.3907



20.7001, 0.1704, 0.4361



20.7001, 0.1946, 0.1508

Complementary

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



20.7001, 0.5637, 0.3907



18.0335, 0.1839, 0.1820

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.



20.7001, 0.1318, 0.1493



20.7001, 0.5637, 0.3907



20.7001, 0.1170, 0.2742

Square

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



20.7001, 0.5637, 0.3907



20.7001, 0.2698, 0.5758



20.7001, 0.1074, 0.1836



20.7001, 0.3060, 0.1817

Rectangle

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



20.7001, 0.5637, 0.3907



20.7001, 0.4234, 0.5449



20.7001, 0.1074, 0.1836



20.7001, 0.1687, 0.1469

Sweetspot

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



20.7017, 0.5636, 0.3907



71.1231, 0.3705, 0.3628



14.9582, 0.4623, 0.2320



14.4898, 0.3808, 0.3677



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.



20.7017, 0.5636, 0.3907



32.1126, 0.5655, 0.3892



51.0713, 0.4348, 0.4929



12.6241, 0.3280, 0.3389



12.9509, 0.5611, 0.3926



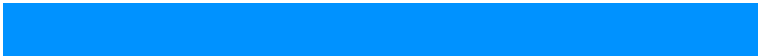
0.8800, 0.5289, 0.4182

Inverse Universe

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



18.0335, 0.1839, 0.1820



27.9007, 0.1834, 0.1803



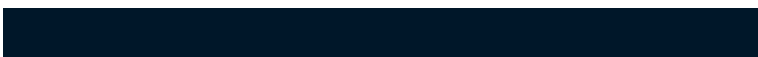
5.0173, 0.1514, 0.0648



12.5284, 0.2983, 0.3189



11.3182, 0.1845, 0.1842



0.7885, 0.1926, 0.2134

Previews

White Background



This preview shows how the Yxy color 20.7001, 0.5637, 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 20.7001, 0.5637, 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 20.7001, 0.5637, 0.3907

Background



This preview shows how black text looks on a background with the Yxy color 20.7001, 0.5637, 0.3907.



This preview shows how white text looks on a background with the Yxy color 20.7001, 0.5637, 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

20.7001, 0.5637, 0.3907

Protanopia

20.9800, 0.4331, 0.4815

Deuteranopia

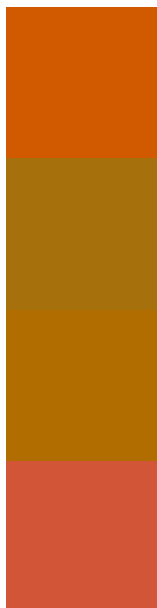
20.8039, 0.4698, 0.4651



Tritanopia

20.7400, 0.4954, 0.3239

Trichromacy



Original Color

20.7001, 0.5637, 0.3907

Protanomaly

19.9463, 0.4851, 0.4459

Deuteranomaly

20.2844, 0.5069, 0.4357

Tritanomaly

20.4842, 0.5348, 0.3587

Monochromacy



Original Color

20.7001, 0.5637, 0.3907

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.1787, 0.4208, 0.3855

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7001, 0.5637, 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(209, 89, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 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(209, 89, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 89, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.7001, 0.5637, 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(209, 89, 0) }
```

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

```
.border{ border-color:rgb(209, 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(209, 89, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 89, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 89, 0);  
box-shadow:4px 4px 4px 4px rgb(209, 89, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.7001, 0.5637, 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(209, 89, 0) }
```

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

```
.background{ background-color: rgb(209, 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](#).

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