

Converting Colors

$Y_{xy}(20.6411, 0.5606, 0.3977)$

Have a look what the booklet for
Yxy(20.6411, 0.5606, 0.3977)
contains.

Yxy(20.7761, 0.5575, 0.3956)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(20.7761, 0.5575, 0.3956)$

Conversions

Conversions Part 1

Format	Color
Hex	CE5C00
RGB	206, 92, 0
RGB Percent	81%, 36%, 0%
CMY	0.1922, 0.6392, 1.0000
CMYK	0.00, 0.55, 1.00, 0.19
HSL	27°, 100%, 40%
HSV	27°, 100%, 81%
XYZ	29.2788, 20.7761, 2.4631
YIQ	115.5980, 97.4760, -4.4440

Conversions

Conversions Part 2

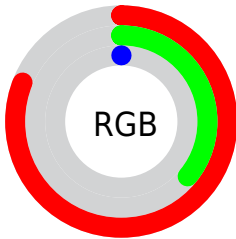
Format	Color
R_{YB}	206, 166, 0
Decimal	13523968
CIE _{Lab}	52.70, 41.55, 61.89
CIE _{LCh}	53, 74.542, 56.127
Yxy	20.7761, 0.5575, 0.3956
Android (android.graphics.Color)	4291714048 (0xFFCE5C00)
YUV	115.5980, -56.9898, 79.2826
Hunter-Lab	45.5808, 34.8928, 28.7027

Details

The Yxy color **20.7761, 0.5575, 0.3956** 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 **16.4855, 0.1819, 0.1748**, and the grayscale version is **17.4926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.8697, 0.5017, 0.4020**, and **7.4469, 0.5981, 0.3633** is the 20% darker color. If you saturate the color by 10%, you get **20.7776, 0.5575, 0.3956**, and if you desaturate by 10%, it is **22.9561, 0.5352, 0.4031**.

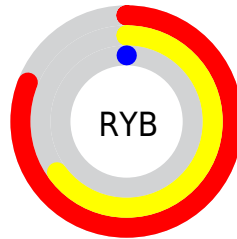
Distribution



Red (81%)

Green (36%)

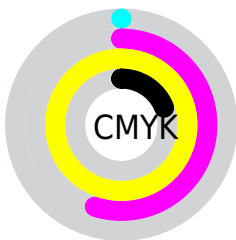
Blue (0%)



Red (81%)

Yellow (65%)

Blue (0%)

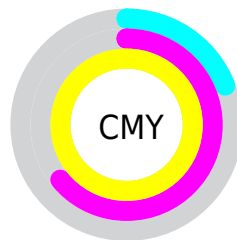


Cyan (0%)

Magenta (55%)

Yellow (100%)

Black (19%)



Cyan (19%)


Magenta (64%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7761, 0.5575, 0.3956 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 20.7761, 0.5575, 0.3956 by changing the saturation by 10% instead.


 20.7761, 0.5575,
0.3956


 20.7761, 0.5575,
0.3956


256.0862, 0.4299,
0.3789


 12.9604, 0.5851,
0.3902


 44.7146, 0.5130,
0.3961

 7.4013, 0.6203,
0.3797

 61.6062, 0.4954,
0.3941

 3.7143, 0.6494,
0.3506

 82.2920, 0.4803,
0.3916

 1.5151, 0.6938,
0.3062

 107.1562, 0.4673,
0.3890

 0.2993, 0.8224,
0.1776

 136.5834, 0.4560,
0.3863

 0.0000, 1.0000,
0.0000


 170.9578, 0.4462,


 0.0000, 0.0000,

0.3837


0.0000

 210.6640, 0.4375,
0.3813

 20.7761, 0.5575,
0.3956

 20.7761, 0.5575,
0.3956


 20.7776, 0.5575,
0.3956

 22.9561, 0.5352,
0.4031

 25.5004, 0.5088,
0.4059

 28.4413, 0.4796,
0.4035

 31.8000, 0.4496,
0.3969

 35.5960, 0.4205,
0.3873

■ 39.8468, 0.3935,
0.3760

■ 44.5690, 0.3692,
0.3639

■ 49.7781, 0.3477,
0.3518

■ 55.4890, 0.3290,
0.3401

Harmonies

Analogous

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



20.7761, 0.5538, 0.3162



20.7761, 0.5575, 0.3956



20.7761, 0.4863, 0.4864

Triad

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



20.7761, 0.5575, 0.3956



20.7761, 0.1695, 0.4246



20.7761, 0.2012, 0.1544

Complementary

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



20.7761, 0.5575, 0.3956



16.4855, 0.1819, 0.1748

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.



20.7761, 0.1368, 0.1515



20.7761, 0.5575, 0.3956



20.7761, 0.1188, 0.2696

Square

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



20.7761, 0.5575, 0.3956



20.7761, 0.2660, 0.5655



20.7761, 0.1109, 0.1836



20.7761, 0.3132, 0.1865

Rectangle

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



20.7761, 0.5575, 0.3956



20.7761, 0.4174, 0.5458



20.7761, 0.1109, 0.1836



20.7761, 0.1747, 0.1501

Sweetspot

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



20.7776, 0.5575, 0.3956



71.9180, 0.3701, 0.3644



14.3987, 0.4691, 0.2358



14.6766, 0.3801, 0.3696



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.



20.7776, 0.5575, 0.3956



33.2734, 0.5594, 0.3940



50.9342, 0.4316, 0.4955



12.0249, 0.3279, 0.3394



12.9827, 0.5550, 0.3975



0.8204, 0.5219, 0.4238

Inverse Universe

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



16.4855, 0.1819, 0.1748



26.2976, 0.1814, 0.1729



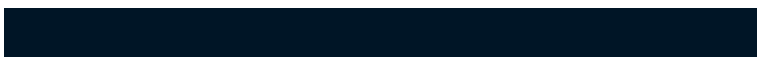
4.7628, 0.1510, 0.0637



11.8560, 0.2983, 0.3184



10.3484, 0.1826, 0.1772



0.6839, 0.1916, 0.2096

Previews

White Background



This preview shows how the Yxy color 20.7761, 0.5575, 0.3956 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 20.7761, 0.5575, 0.3956 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 20.7761, 0.5575, 0.3956

Background



This preview shows how black text looks on a background with the Yxy color 20.7761, 0.5575, 0.3956.



This preview shows how white text looks on a background with the Yxy color 20.7761, 0.5575, 0.3956.

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

20.7761, 0.5575, 0.3956

Protanopia

21.0654, 0.4348, 0.4812

Deuteranopia

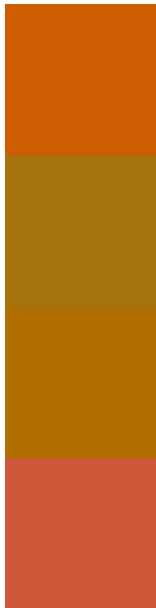
20.9065, 0.4710, 0.4642



Tritanopia

20.8208, 0.4855, 0.3237

Trichromacy



Original Color

20.7761, 0.5575, 0.3956

Protanomaly

20.1682, 0.4839, 0.4475

Deuteranomaly

20.4990, 0.5053, 0.4370

Tritanomaly

20.5503, 0.5268, 0.3610

Monochromacy



Original Color

20.7761, 0.5575, 0.3956

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.3994, 0.4185, 0.3855

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7761, 0.5575, 0.3956 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(206, 92, 0)` looks like.

```
.text, #text, p{  
    color:rgb(206, 92, 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(206, 92, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 92, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.7761, 0.5575, 0.3956 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(206, 92, 0) }
```

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

```
.border{ border-color:rgb(206, 92, 0) }
```

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

Here you see how a box with a 4 pixel rgb(206, 92, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 92, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 92, 0);  
box-shadow:4px 4px 4px 4px rgb(206, 92, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.7761, 0.5575, 0.3956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 92, 0) }
```

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

```
.background{ background-color: rgb(206, 92,  
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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