

Converting Colors

$Y_{xy}(20.7569, 0.5324, 0.4068)$

Have a look what the booklet for
Yxy(20.7569, 0.5324, 0.4068)
contains.

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Color

$Yxy(20.7569, 0.5324, 0.4068)$

Conversions

Conversions Part 1

Format	Color
Hex	C36411
RGB	195, 100, 17
RGB Percent	76%, 39%, 7%
CMY	0.2353, 0.6078, 0.9336
CMYK	0.00, 0.49, 0.91, 0.24
HSL	28°, 84%, 42%
HSV	28°, 91%, 76%
XYZ	27.1656, 20.7569, 3.1023
YIQ	118.9430, 83.2630, -5.6730

Conversions

Conversions Part 2

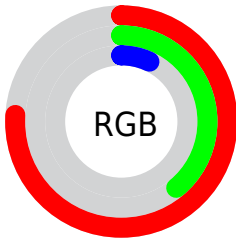
Format	Color
R_{YB}	195, 173, 17
Decimal	12805137
CIE Lab	52.68, 33.31, 57.33
CIE LCh	53, 66.306, 59.844
Yxy	20.7569, 0.5324, 0.4068
Android (android.graphics.Color)	4290995217 (0xFFC36411)
YUV	118.9430, -50.2579, 66.7020
Hunter-Lab	45.5597, 26.7035, 27.8546

Details

The Yxy color **20.7569, 0.5324, 0.4068** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **15.6360, 0.1860, 0.1833**, and the grayscale version is **18.5696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1844, 0.4892, 0.4029**, and **7.5185, 0.5715, 0.3845** is the 20% darker color. If you saturate the color by 10%, you get **19.0792, 0.5511, 0.4006**, and if you desaturate by 10%, it is **22.9729, 0.5075, 0.4098**.

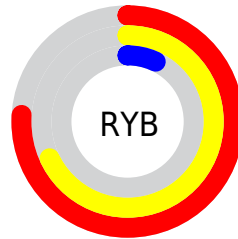
Distribution



Red (76%)

Green (39%)

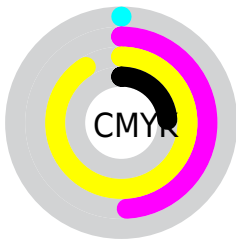
Blue (7%)



Red (76%)

Yellow (68%)

Blue (7%)

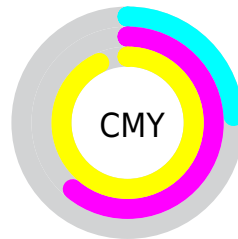


Cyan (0%)

Magenta (49%)

Yellow (91%)

Black (24%)



Cyan (24%)


Magenta (61%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7569, 0.5324, 0.4068 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 20.7569, 0.5324, 0.4068 by changing the saturation by 10% instead.


 20.7569, 0.5324,
0.4068

 20.7569, 0.5324,
0.4068


255.9837, 0.4162,
0.3797


 12.9464, 0.5586,
0.4055


 44.6826, 0.4910,
0.4021


 7.3917, 0.5966,
0.4034


 61.5666, 0.4750,
0.3986


 3.7082, 0.6214,
0.3786

 82.2439, 0.4613,
0.3949

 1.5117, 0.6604,
0.3396

 107.0989, 0.4496,
0.3915

 0.2970, 0.7907,
0.2093

 136.5160, 0.4395,
0.3882

 0.0000, 1.0000,
0.0000


 170.8796, 0.4307,

 0.0000, 0.0000,


0.3851

0.0000

 210.5740, 0.4230,
0.3823


 20.7569, 0.5324,
0.4068

 20.7569, 0.5324,
0.4068


 19.0792, 0.5511,
0.4006

 22.9729, 0.5075,
0.4098

 25.5168, 0.4796,
0.4074

 28.4076, 0.4506,
0.4008

 31.6613, 0.4222,
0.3910

 35.2925, 0.3956,
0.3794

■ 39.3149, 0.3715,
0.3669

■ 43.7412, 0.3500,
0.3543

■ 48.5835, 0.3311,
0.3421

■ 53.8536, 0.3147,
0.3305

Harmonies

Analogous

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



20.7569, 0.5347, 0.3303



20.7569, 0.5324, 0.4068



20.7569, 0.4656, 0.4890

Triad

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



20.7569, 0.5324, 0.4068



20.7569, 0.1757, 0.3956



20.7569, 0.2221, 0.1702

Complementary

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



20.7569, 0.5324, 0.4068



15.6360, 0.1860, 0.1833

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.



20.7569, 0.1560, 0.1644



20.7569, 0.5324, 0.4068



20.7569, 0.1318, 0.2650

Square

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



20.7569, 0.5324, 0.4068



20.7569, 0.2619, 0.5256



20.7569, 0.1272, 0.1914



20.7569, 0.3294, 0.2038

Rectangle

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



20.7569, 0.5324, 0.4068



20.7569, 0.4020, 0.5361



20.7569, 0.1272, 0.1914



20.7569, 0.1955, 0.1651

Sweetspot

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



20.7580, 0.5324, 0.4068



73.4064, 0.3628, 0.3620



13.2374, 0.4573, 0.2347



15.4865, 0.3706, 0.3664



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.



20.7580, 0.5324, 0.4068



33.6790, 0.5535, 0.3987



46.8063, 0.4256, 0.4956



10.8350, 0.3278, 0.3398



12.5642, 0.5489, 0.4024



0.6807, 0.5127, 0.4311

Inverse Universe

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



15.6360, 0.1860, 0.1833



24.2996, 0.1795, 0.1660



4.7910, 0.1554, 0.0712



10.6179, 0.2984, 0.3180



9.1709, 0.1808, 0.1708



0.5332, 0.1915, 0.2092

Previews

White Background



This preview shows how the Yxy color 20.7569, 0.5324, 0.4068 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 20.7569, 0.5324, 0.4068 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 20.7569, 0.5324, 0.4068

Background



This preview shows how black text looks on a background with the Yxy color 20.7569, 0.5324, 0.4068.



This preview shows how white text looks on a background with the Yxy color 20.7569, 0.5324, 0.4068.

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

20.7569, 0.5324, 0.4068

Protanopia

20.9997, 0.4310, 0.4784

Deuteranopia

20.9065, 0.4710, 0.4642



Tritanopia

20.7546, 0.4555, 0.3205

Trichromacy



Original Color

20.7569, 0.5324, 0.4068

Protanomaly

20.3576, 0.4698, 0.4511

Deuteranomaly

20.7076, 0.4948, 0.4422

Tritanomaly

20.6783, 0.4943, 0.3610

Monochromacy



Original Color

20.7569, 0.5324, 0.4068

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.4006, 0.4009, 0.3812

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7569, 0.5324, 0.4068 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(195, 100, 17)` looks like.

```
.text, #text, p{  
    color:rgb(195, 100, 17)  
}
```

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(195, 100, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 100, 17) }
```

Border

The CSS property to change the border of an element to Yxy 20.7569, 0.5324, 0.4068 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(195, 100, 17) }
```

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

```
.border{ border-color:rgb(195, 100, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 100, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 100, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 100, 17);  
box-shadow:4px 4px 4px 4px rgb(195, 100,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7569, 0.5324, 0.4068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 100, 17) }
```

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

```
.background{ background-color: rgb(195,  
100, 17) }
```

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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