

Converting Colors

$Y_{xy}(20.1419, 0.5412, 0.4085)$

Have a look what the booklet for
Yxy(20.1419, 0.5412, 0.4085)
contains.

Yxy(20.1515, 0.5420, 0.4078)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Yxy(20.1515, 0.5420, 0.4078)$

Conversions

Conversions Part 1

Format	Color
Hex	C36100
RGB	195, 97, 0
RGB Percent	76%, 38%, 0%
CMY	0.2353, 0.6196, 0.9996
CMYK	0.00, 0.50, 1.00, 0.24
HSL	30°, 100%, 38%
HSV	30°, 100%, 76%
XYZ	26.7830, 20.1515, 2.4806
YIQ	115.2440, 89.5450, -9.3910

Conversions

Conversions Part 2

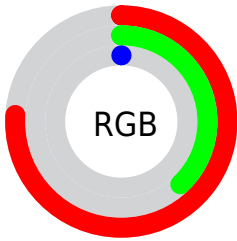
Format	Color
RYB	195, 193, 0
Decimal	12804352
CIELab	52.01, 34.66, 60.56
CIElCh	52, 69.776, 60.213
Yxy	20.1515, 0.5420, 0.4078
Android (android.graphics.Color)	4290994432 (0xFFC36100)
YUV	115.2440, -56.8153, 69.9460
Hunter-Lab	44.8904, 27.9404, 28.1469

Details

The Yxy color **20.1515, 0.5420, 0.4078** 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 **12.6974, 0.1773, 0.1582**, and the grayscale version is **17.3817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1138, 0.4978, 0.4058**, and **7.1822, 0.5766, 0.3804** is the 20% darker color. If you saturate the color by 10%, you get **20.1434, 0.5421, 0.4078**, and if you desaturate by 10%, it is **22.1271, 0.5215, 0.4140**.

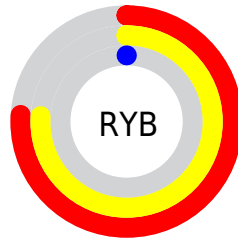
Distribution



Red (76%)

Green (38%)

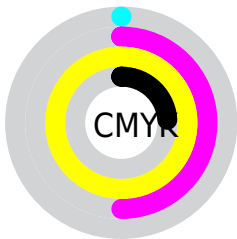
Blue (0%)



Red (76%)

Yellow (76%)

Blue (0%)

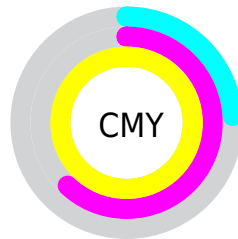


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (24%)



Cyan (24%)


Magenta (62%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1515, 0.5420, 0.4078 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 20.1515, 0.5420, 0.4078 by changing the saturation by 10% instead.


 20.1515, 0.5420,
0.4078


 20.1515, 0.5420,
0.4078


252.7341, 0.4218,
0.3824


 12.5052, 0.5682,
0.4049


 43.6710, 0.4999,
0.4046

 7.0887, 0.6020,
0.3980


 60.3131, 0.4833,
0.4013


 3.5177, 0.6283,
0.3717

 80.7225, 0.4690,
0.3978

 1.4076, 0.6696,
0.3304

 105.2837, 0.4568,
0.3944

 0.2223, 0.8288,
0.1712

 134.3811, 0.4462,
0.3911


 0.0000, 1.0000,
0.0000


 168.3990, 0.4370,


 0.0000, 0.0000,


0.3880


0.0000


 207.7219, 0.4289,
0.3851

 20.1515, 0.5420,
0.4078


 20.1515, 0.5420,
0.4078


 20.1434, 0.5421,
0.4078

 22.1271, 0.5215,
0.4140

 24.3825, 0.4976,
0.4156

 26.9435, 0.4709,
0.4119

 29.8260, 0.4434,
0.4041

 33.0444, 0.4163,
0.3933

■ 36.6118, 0.3909,
0.3808

■ 40.5404, 0.3677,
0.3675

■ 44.8418, 0.3470,
0.3542

■ 49.5267, 0.3287,
0.3412

Harmonies

Analogous

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



20.1515, 0.5480, 0.3289



20.1515, 0.5420, 0.4078



20.1515, 0.4692, 0.4950

Triad

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



20.1515, 0.5420, 0.4078



20.1515, 0.1671, 0.3974



20.1515, 0.2182, 0.1635

Complementary

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



20.1515, 0.5420, 0.4078



12.6974, 0.1773, 0.1582

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.



20.1515, 0.1496, 0.1569



20.1515, 0.5420, 0.4078



20.1515, 0.1232, 0.2587

Square

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



20.1515, 0.5420, 0.4078



20.1515, 0.2559, 0.5390



20.1515, 0.1196, 0.1835



20.1515, 0.3314, 0.1985

Rectangle

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



20.1515, 0.5420, 0.4078



20.1515, 0.4018, 0.5469



20.1515, 0.1196, 0.1835



20.1515, 0.1905, 0.1581

Sweetspot

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



20.1526, 0.5420, 0.4078



72.2212, 0.3689, 0.3682



12.5414, 0.4895, 0.2471



15.1388, 0.3786, 0.3739



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.



20.1526, 0.5420, 0.4078



35.5746, 0.5444, 0.4060



49.1988, 0.4222, 0.5029



10.8865, 0.3277, 0.3405



13.2585, 0.5400, 0.4094



0.7108, 0.5061, 0.4363

Inverse Universe

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



12.6974, 0.1773, 0.1582



22.2217, 0.1765, 0.1555



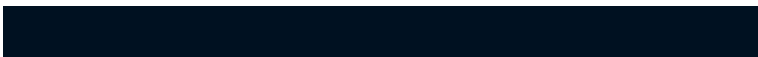
4.0139, 0.1503, 0.0610



10.5662, 0.2984, 0.3173



8.4137, 0.1779, 0.1605



0.5014, 0.1892, 0.2009

Previews

White Background



This preview shows how the Yxy color 20.1515, 0.5420, 0.4078 looks on a white background.

Color Contrast Check

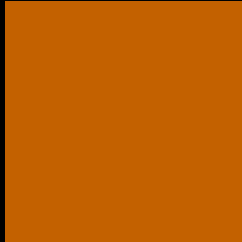
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1515, 0.5420, 0.4078 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 20.1515, 0.5420, 0.4078

Background



This preview shows how black text looks on a background with the Yxy color 20.1515, 0.5420, 0.4078.



This preview shows how white text looks on a background with the Yxy color 20.1515, 0.5420, 0.4078.

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

20.1515, 0.5420, 0.4078

Protanopia

20.3704, 0.4356, 0.4818

Deuteranopia

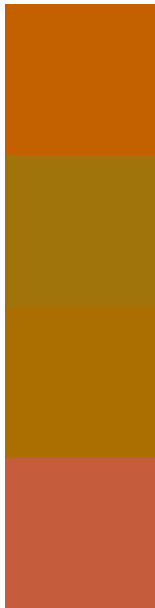
20.1250, 0.4705, 0.4646



Tritanopia

20.1626, 0.4638, 0.3219

Trichromacy



Original Color

20.1515, 0.5420, 0.4078

Protanomaly

19.8627, 0.4769, 0.4535

Deuteranomaly

19.8098, 0.4991, 0.4419

Tritanomaly

20.0359, 0.5085, 0.3667

Monochromacy



Original Color

20.1515, 0.5420, 0.4078

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.1355, 0.4119, 0.3907

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1515, 0.5420, 0.4078 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, 97, 0)` looks like.

```
.text, #text, p{  
    color:rgb(195, 97, 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(195, 97, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 97, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.1515, 0.5420, 0.4078 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, 97, 0) }
```

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

```
.border{ border-color:rgb(195, 97, 0) }
```

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

Here you see how a box with a 4 pixel rgb(195, 97, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 97, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 97, 0);  
box-shadow:4px 4px 4px 4px rgb(195, 97, 0)  
}
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 20.1515, 0.5420, 0.4078$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 97, 0) }
```

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

```
.background{ background-color: rgb(195, 97,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor