

Converting Colors

$Y_{xy}(20.4103, 0.5314, 0.4602)$

Have a look what the booklet for
Yxy(20.4103, 0.5314, 0.4602)
contains.

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Color

Yxy(20.7356, 0.5074, 0.4353)

Conversions

Conversions Part 1

Format	Color
Hex	B36E00
RGB	179, 110, 0
RGB Percent	70%, 43%, 0%
CMY	0.2980, 0.5687, 0.9998
CMYK	0.00, 0.39, 1.00, 0.30
HSL	37°, 100%, 35%
HSV	37°, 100%, 70%
XYZ	24.1701, 20.7356, 2.7295
YIQ	118.0910, 76.4340, -19.5820

Conversions

Conversions Part 2

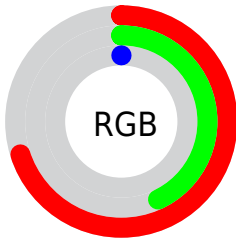
Format	Color
R _Y B	112, 179, 0
Decimal	11759104
CIE Lab	52.66, 20.83, 59.84
CIE LCh	53, 63.366, 70.808
Yxy	20.7356, 0.5074, 0.4353
Android (android.graphics.Color)	4289949184 (0xFFB36E00)
YUV	118.0910, -58.2189, 53.4172
Hunter-Lab	45.5364, 15.0568, 28.3215

Details

The Yxy color **20.7356, 0.5074, 0.4353** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.5205, 0.1674, 0.1226**, and the grayscale version is **18.3170, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7476, 0.4718, 0.4239**, and **7.4383, 0.5306, 0.4169** is the 20% darker color. If you saturate the color by 10%, you get **20.7331, 0.5074, 0.4353**, and if you desaturate by 10%, it is **22.3284, 0.4918, 0.4383**.

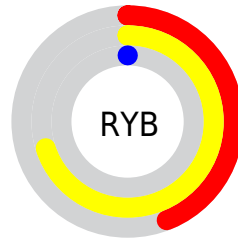
Distribution



Red (70%)

Green (43%)

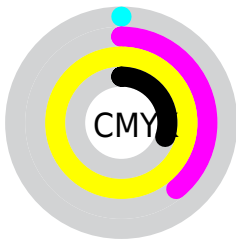
Blue (0%)



Red (44%)

Yellow (70%)

Blue (0%)

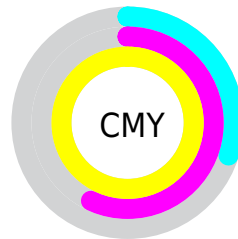


Cyan (0%)

Magenta (39%)

Yellow (100%)

Black (30%)



Cyan (30%)

Magenta (57%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7356, 0.5074, 0.4353 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 20.7356, 0.5074, 0.4353 by changing the saturation by 10% instead.


 20.7356, 0.5074,
0.4353


 20.7356, 0.5074,
0.4353


255.8700, 0.4064,
0.3908


 12.9309, 0.5288,
0.4387


 44.6471, 0.4723,
0.4238


 7.3810, 0.5581,
0.4419


 61.5226, 0.4583,
0.4178

 3.7015, 0.5751,
0.4249

 82.1906, 0.4464,
0.4122

 1.5080, 0.6027,
0.3973

 107.0353, 0.4361,
0.4070

 0.2944, 0.7281,
0.2719

 136.4412, 0.4271,
0.4023


 0.0000, 0.0000,
0.0000


 170.7927, 0.4193,


0.3981


 210.4742, 0.4124,
0.3942


 20.7356, 0.5074,
0.4353


 20.7356, 0.5074,
0.4353

 20.7331, 0.5074,
0.4353

 22.3284, 0.4918,
0.4383

 24.0783, 0.4736,
0.4370

 26.0040, 0.4527,
0.4307

 28.1149, 0.4304,
0.4204

 30.4196, 0.4078,
0.4071

■ 32.9257, 0.3857,
0.3919

■ 35.6402, 0.3649,
0.3759

■ 38.5697, 0.3457,
0.3597

■ 41.7204, 0.3283,
0.3440

Harmonies

Analogous

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



20.7356, 0.5344, 0.3583



20.7356, 0.5074, 0.4353



20.7356, 0.4296, 0.5111

Triad

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



20.7356, 0.5074, 0.4353



20.7356, 0.1604, 0.3426



20.7356, 0.2593, 0.1842

Complementary

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



20.7356, 0.5074, 0.4353



7.5205, 0.1674, 0.1226

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.



20.7356, 0.1802, 0.1684



20.7356, 0.5074, 0.4353



20.7356, 0.1320, 0.2360

Square

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



20.7356, 0.5074, 0.4353



20.7356, 0.2307, 0.4780



20.7356, 0.1394, 0.1825



20.7356, 0.3735, 0.2261

Rectangle

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



20.7356, 0.5074, 0.4353



20.7356, 0.3641, 0.5427



20.7356, 0.1394, 0.1825



20.7356, 0.2284, 0.1759

Sweetspot

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



20.7367, 0.5074, 0.4353



63.5474, 0.3660, 0.3767



10.0502, 0.5372, 0.2733



13.6218, 0.3745, 0.3835



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.7367, 0.5074, 0.4353



36.6757, 0.5093, 0.4338



39.8382, 0.4019, 0.5191



9.3452, 0.3272, 0.3430



14.7763, 0.5061, 0.4363



0.5738, 0.4761, 0.4602

Inverse Universe

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



7.5205, 0.1674, 0.1226



13.0565, 0.1666, 0.1196



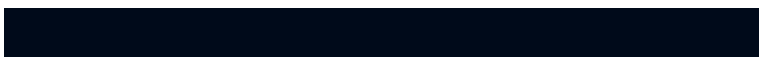
3.3844, 0.1535, 0.0619



8.7497, 0.2985, 0.3146



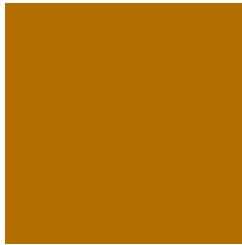
5.4286, 0.1680, 0.1247



0.2859, 0.1842, 0.1830

Previews

White Background



This preview shows how the Yxy color 20.7356, 0.5074, 0.4353 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 20.7356, 0.5074, 0.4353 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 20.7356, 0.5074, 0.4353

Background



This preview shows how black text looks on a background with the Yxy color 20.7356, 0.5074, 0.4353.



This preview shows how white text looks on a background with the Yxy color 20.7356, 0.5074, 0.4353.

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

20.7356, 0.5074, 0.4353

Protanopia

20.9586, 0.4355, 0.4850

Deuteranopia

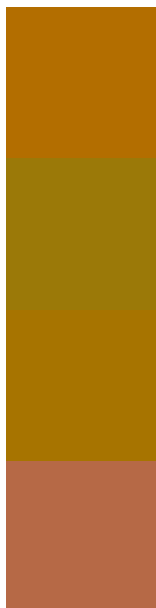
20.9065, 0.4710, 0.4642



Tritanopia

20.6958, 0.4161, 0.3179

Trichromacy



Original Color

20.7356, 0.5074, 0.4353

Protanomaly

20.6608, 0.4615, 0.4674

Deuteranomaly

20.7063, 0.4852, 0.4529

Tritanomaly

20.4904, 0.4683, 0.3770

Monochromacy



Original Color

20.7356, 0.5074, 0.4353

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.3449, 0.3977, 0.4006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7356, 0.5074, 0.4353 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(179, 110, 0)` looks like.

```
.text, #text, p{  
    color:rgb(179, 110, 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(179, 110, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 110, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.7356, 0.5074, 0.4353 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(179, 110, 0) }
```

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

```
.border{ border-color:rgb(179, 110, 0) }
```

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

Here you see how a box with a 4 pixel rgb(179, 110, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 110, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 110, 0);  
box-shadow:4px 4px 4px 4px rgb(179, 110,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7356, 0.5074, 0.4353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 110, 0) }
```

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

```
.background{ background-color: rgb(179,  
110, 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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