

Converting Colors

$Y_{xy}(20.6158, 0.4630, 0.3758)$

Have a look what the booklet for
Yxy(20.6158, 0.4630, 0.3758)
contains.

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Color

Yxy(20.5997, 0.4636, 0.3763)

Conversions

Conversions Part 1

Format	Color
Hex	B56A48
RGB	181, 106, 72
RGB Percent	71%, 42%, 28%
CMY	0.2902, 0.5843, 0.7178
CMYK	0.00, 0.41, 0.60, 0.29
HSL	19°, 43%, 50%
HSV	19°, 60%, 71%
XYZ	25.3787, 20.5997, 8.7643
YIQ	124.5490, 55.6140, 5.3260

Conversions

Conversions Part 2

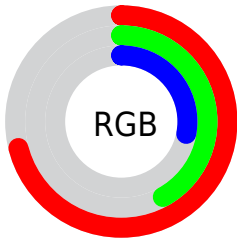
Format	Color
RYB	181, 121, 72
Decimal	11889224
CIELab	52.51, 26.67, 31.76
CIElCh	53, 41.478, 49.979
Yxy	20.5997, 0.4636, 0.3763
Android (android.graphics.Color)	4290079304 (0xFFB56A48)
YUV	124.5490, -25.9067, 49.5075
Hunter-Lab	45.3869, 20.3838, 20.3218

Details

The Yxy color **20.5997, 0.4636, 0.3763** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **25.5681, 0.2268, 0.2705**, and the grayscale version is **20.4234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.3595, 0.4305, 0.3700**, and **7.2905, 0.5199, 0.3801** is the 20% darker color. If you saturate the color by 10%, you get **18.0158, 0.4996, 0.3801**, and if you desaturate by 10%, it is **23.6278, 0.4296, 0.3699**.

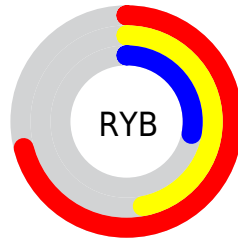
Distribution



Red (71%)

Green (42%)

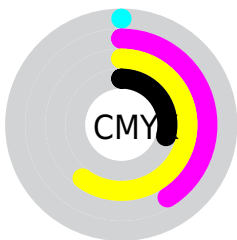
Blue (28%)



Red (71%)

Yellow (47%)

Blue (28%)

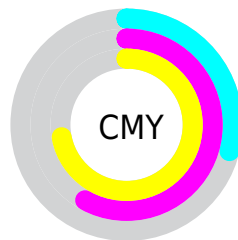


Cyan (0%)

Magenta (41%)

Yellow (60%)

Black (29%)



Cyan (29%)

Magenta (58%)

Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5997, 0.4636, 0.3763 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 20.5997, 0.4636, 0.3763 by changing the saturation by 10% instead.


 20.5997, 0.4636,
0.3763


 20.5997, 0.4636,
0.3763


255.1434, 0.3784,
0.3549


 12.8317, 0.4877,
0.3795


 44.4204, 0.4304,
0.3697

 7.3128, 0.5196,
0.3813

 61.2418, 0.4186,
0.3668


 3.6585, 0.5671,
0.3816

 81.8499, 0.4088,
0.3642

 1.4844, 0.6315,
0.3685

 106.6290, 0.4007,
0.3619

 0.2777, 0.7676,
0.2324

 135.9635, 0.3939,
0.3598

 0.0000, 0.0000,
0.0000

170.2378, 0.3880,

0.3580

209.8363, 0.3828,
0.3564

■ 20.5997, 0.4636,
0.3763

■ 20.5997, 0.4636,
0.3763

■ 18.0158, 0.4996,
0.3801

■ 23.6278, 0.4296,
0.3699

■ 15.8507, 0.5352,
0.3801

■ 27.1174, 0.3989,
0.3621

■ 14.0807, 0.5671,
0.3754

■ 31.0888, 0.3721,
0.3536

■ 12.7011, 0.5929,
0.3674

■ 35.5601, 0.3491,
0.3451

■ 40.5482, 0.3296,
0.3369

■ 46.0695, 0.3131,
0.3292

■ 52.1394, 0.2991,
0.3220

■ 58.7727, 0.2873,
0.3155

■ 65.9837, 0.2773,
0.3095

Harmonies

Analogous

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



20.5997, 0.4418, 0.3204



20.5997, 0.4636, 0.3763



20.5997, 0.4392, 0.4298

Triad

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



20.5997, 0.4636, 0.3763



20.5997, 0.2423, 0.3985



20.5997, 0.2350, 0.2148

Complementary

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



20.5997, 0.4636, 0.3763



25.5681, 0.2268, 0.2705

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.



20.5997, 0.1945, 0.2204



20.5997, 0.4636, 0.3763



20.5997, 0.1972, 0.3173

Square

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



20.5997, 0.4636, 0.3763



20.5997, 0.3098, 0.4585



20.5997, 0.1816, 0.2538



20.5997, 0.3005, 0.2327

Rectangle

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



20.5997, 0.4636, 0.3763



20.5997, 0.4035, 0.4571



20.5997, 0.1816, 0.2538



20.5997, 0.2185, 0.2139

Sweetspot

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



20.6008, 0.4636, 0.3763



65.3451, 0.3451, 0.3435



16.6019, 0.3649, 0.2266



13.5949, 0.3511, 0.3459



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.



20.6008, 0.4636, 0.3763



31.0399, 0.5103, 0.3805



35.1536, 0.4134, 0.4450



8.9238, 0.3280, 0.3362



8.8670, 0.5906, 0.3692



0.3859, 0.5352, 0.4133

Inverse Universe

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



25.5681, 0.2268, 0.2705



40.5243, 0.2134, 0.2553



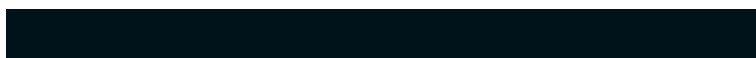
12.6785, 0.2053, 0.1736



9.1750, 0.2986, 0.3217



12.4511, 0.1959, 0.2254



0.4902, 0.2049, 0.2577

Previews

White Background



This preview shows how the Yxy color 20.5997, 0.4636, 0.3763 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 20.5997, 0.4636, 0.3763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

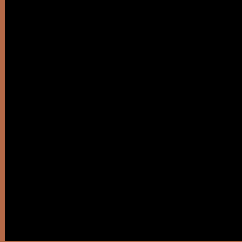
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.5997, 0.4636, 0.3763

Background



This preview shows how black text looks on a background with the Yxy color 20.5997, 0.4636, 0.3763.



This preview shows how white text looks on a background with the Yxy color 20.5997, 0.4636, 0.3763.

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

20.5997, 0.4636, 0.3763

Protanopia

20.8046, 0.3808, 0.4128

Deuteranopia

20.7326, 0.4192, 0.4116



Tritanopia

20.4788, 0.4182, 0.3179

Trichromacy



Original Color

20.5997, 0.4636, 0.3763

Protanomaly

20.4878, 0.4108, 0.4001

Deuteranomaly

20.5962, 0.4359, 0.3982

Tritanomaly

20.4901, 0.4348, 0.3393

Monochromacy



Original Color

20.5997, 0.4636, 0.3763

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.0172, 0.3630, 0.3501

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5997, 0.4636, 0.3763 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(181, 106, 72)` looks like.

```
.text, #text, p{  
    color:rgb(181, 106, 72)  
}
```

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(181, 106, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 106, 72) }
```

Border

The CSS property to change the border of an element to Yxy 20.5997, 0.4636, 0.3763 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(181, 106, 72) }
```

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

```
.border{ border-color:rgb(181, 106, 72) }
```

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

Here you see how a box with a 4 pixel rgb(181, 106, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 106, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 106, 72);  
box-shadow:4px 4px 4px 4px rgb(181, 106,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5997, 0.4636, 0.3763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 106, 72) }
```

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

```
.background{ background-color: rgb(181,  
106, 72) }
```

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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