

Converting Colors

$Y_{xy}(20.6056, 0.4902, 0.3999)$

Have a look what the booklet for
Yxy(20.6056, 0.4902, 0.3999)
contains.

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Color

Yxy(20.6056, 0.4902, 0.3999)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | B76A32 |
| RGB | 183, 106, 50 |
| RGB Percent | 72%, 42%, 20% |
| CMY | 0.2823, 0.5843, 0.8039 |
| CMYK | 0.00, 0.42, 0.73, 0.28 |
| HSL | 25°, 57%, 46% |
| HSV | 25°, 73%, 72% |
| XYZ | 25.2585, 20.6056, 5.6628 |
| YIQ | 122.6390, 63.8680, -1.0920 |

Conversions

Conversions Part 2

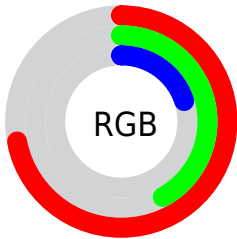
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 183, 147, 50 |
| Decimal | 12020274 |
| CIELab | 52.52, 26.14, 43.48 |
| CIELCh | 53, 50.727, 58.987 |
| Yxy | 20.6056, 0.4902, 0.3999 |
| Android (android.graphics.Color) | 4290210354 (0xFFB76A32) |
| YUV | 122.6390, -35.8110, 52.9366 |
| Hunter-Lab | 45.3934, 19.8852, 24.3790 |

Details

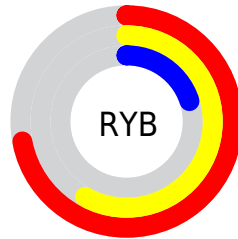
The Yxy color **20.6056, 0.4902, 0.3999** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **19.2737, 0.2069, 0.2286**, and the grayscale version is **19.7870, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4093, 0.4532, 0.3912**, and **7.3861, 0.5461, 0.4046** is the 20% darker color. If you saturate the color by 10%, you get **18.4287, 0.5201, 0.4008**, and if you desaturate by 10%, it is **23.1176, 0.4592, 0.3947**.

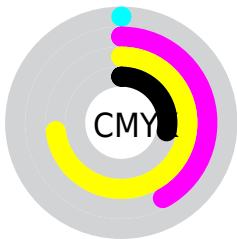
Distribution



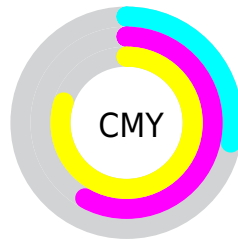
- Red (72%)
- Green (42%)
- Blue (20%)



- Red (72%)
- Yellow (58%)
- Blue (20%)



- Cyan (0%)
- Magenta (42%)
- Yellow (73%)
- Black (28%)




- Cyan (28%)
- Magenta (58%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6056, 0.4902, 0.3999 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 20.6056, 0.4902, 0.3999 by changing the saturation by 10% instead.


 20.6056, 0.4902,
0.3999


 20.6056, 0.4902,
0.3999


255.1750, 0.3924,
0.3688

 12.8360, 0.5155,
0.4035


 44.4302, 0.4533,
0.3910

 7.3157, 0.5471,
0.4043


 61.2540, 0.4398,
0.3868


 3.6603, 0.5958,
0.4042

 81.8647, 0.4285,
0.3829

 1.4854, 0.6289,
0.3711

 106.6467, 0.4189,
0.3795

 0.2784, 0.7645,
0.2355

 135.9843, 0.4108,
0.3764

 0.0000, 0.0000,
0.0000

 170.2619, 0.4038,

0.3736

209.8640, 0.3977,
0.3711

■ 20.6056, 0.4902,
0.3999

■ 20.6056, 0.4902,
0.3999

■ 18.4287, 0.5201,
0.4008

■ 23.1176, 0.4592,
0.3947

■ 16.5657, 0.5465,
0.3964

■ 25.9774, 0.4290,
0.3863

■ 15.3840, 0.5635,
0.3907

■ 29.2009, 0.4008,
0.3760

■ 32.8017, 0.3755,
0.3648

■ 36.7927, 0.3531,
0.3534

■ 41.1861, 0.3337,
0.3423

■ 45.9936, 0.3168,
0.3317

■ 51.2262, 0.3023,
0.3219

■ 56.8947, 0.2898,
0.3128

Harmonies

Analogous

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



20.6056, 0.4842, 0.3348



20.6056, 0.4902, 0.3999



20.6056, 0.4437, 0.4626

Triad

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



20.6056, 0.4902, 0.3999



20.6056, 0.2074, 0.3840



20.6056, 0.2396, 0.1983

Complementary

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



20.6056, 0.4902, 0.3999



19.2737, 0.2069, 0.2286

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.



20.6056, 0.1839, 0.1953



20.6056, 0.4902, 0.3999



20.6056, 0.1665, 0.2855

Square

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



20.6056, 0.4902, 0.3999



20.6056, 0.2802, 0.4754



20.6056, 0.1597, 0.2219



20.6056, 0.3248, 0.2263

Rectangle

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



20.6056, 0.4902, 0.3999



20.6056, 0.3944, 0.4931



20.6056, 0.1597, 0.2219



20.6056, 0.2174, 0.1943

Sweetspot

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



20.6067, 0.4902, 0.3999



66.1322, 0.3525, 0.3530



13.8958, 0.4083, 0.2312



14.1640, 0.3582, 0.3561



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



20.6067, 0.4902, 0.3999



31.0174, 0.5358, 0.3989



39.7716, 0.4174, 0.4765



9.6171, 0.3278, 0.3387



10.8617, 0.5615, 0.3924



0.5060, 0.5161, 0.4284

Inverse Universe

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



19.2737, 0.2069, 0.2286



28.3102, 0.1924, 0.2031



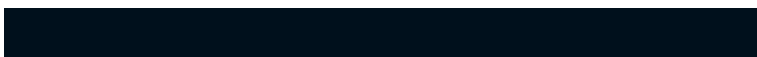
7.4428, 0.1785, 0.1152



9.5596, 0.2985, 0.3191



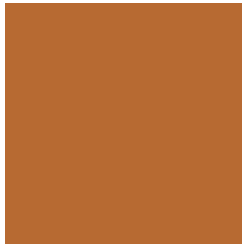
9.7054, 0.1852, 0.1868



0.4618, 0.1965, 0.2274

Previews

White Background



This preview shows how the Yxy color 20.6056, 0.4902, 0.3999 looks on a white background.

Color Contrast Check

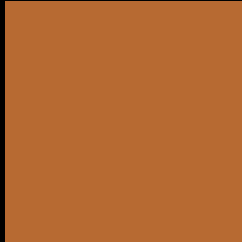
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6056, 0.4902, 0.3999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

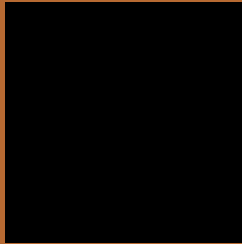
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6056, 0.4902, 0.3999

Background



This preview shows how black text looks on a background with the Yxy color 20.6056, 0.4902, 0.3999.



This preview shows how white text looks on a background with the Yxy color 20.6056, 0.4902, 0.3999.

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

20.6056, 0.4902, 0.3999

Protanopia

20.7827, 0.4082, 0.4467

Deuteranopia

20.7983, 0.4455, 0.4388



Tritanopia

20.6150, 0.4256, 0.3195

Trichromacy



Original Color

20.6056, 0.4902, 0.3999

Protanomaly

20.5279, 0.4383, 0.4290

Deuteranomaly

20.5737, 0.4619, 0.4249

Tritanomaly

20.4889, 0.4535, 0.3515

Monochromacy



Original Color

20.6056, 0.4902, 0.3999

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.5868, 0.3765, 0.3660

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6056, 0.4902, 0.3999 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(183, 106, 50)` looks like.

```
.text, #text, p{  
    color:rgb(183, 106, 50)  
}
```

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(183, 106, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 106, 50) }
```

Border

The CSS property to change the border of an element to Yxy 20.6056, 0.4902, 0.3999 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(183, 106, 50) }
```

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

```
.border{ border-color:rgb(183, 106, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 106, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 106, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 106, 50);  
box-shadow:4px 4px 4px 4px rgb(183, 106,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6056, 0.4902, 0.3999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 106, 50) }
```

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

```
.background{ background-color: rgb(183,  
106, 50) }
```

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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