

Converting Colors

$Y_{xy}(20.1796, 0.4784, 0.4133)$

Have a look what the booklet for
Yxy(20.1796, 0.4784, 0.4133)
contains.

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Color

Yxy(20.0188, 0.4788, 0.4133)

Conversions

Conversions Part 1

Format	Color
Hex	AD6D2E
RGB	173, 109, 46
RGB Percent	68%, 43%, 18%
CMY	0.3217, 0.5725, 0.8196
CMYK	0.00, 0.37, 0.73, 0.32
HSL	30°, 58%, 43%
HSV	30°, 73%, 68%
XYZ	23.1914, 20.0188, 5.2263
YIQ	120.9540, 58.3670, -6.0250

Conversions

Conversions Part 2

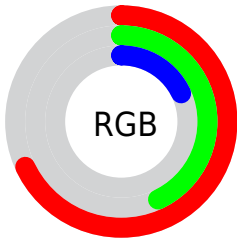
Format	Color
R_{YB}	173, 171, 46
Decimal	11365678
CIE _{Lab}	51.86, 19.95, 44.31
CIE _{LCh}	52, 48.595, 65.766
Yxy	20.0188, 0.4788, 0.4133
Android (android.graphics.Color)	4289555758 (0xFFAD6D2E)
YUV	120.9540, -36.9523, 45.6443
Hunter-Lab	44.7424, 14.2231, 24.3941

Details

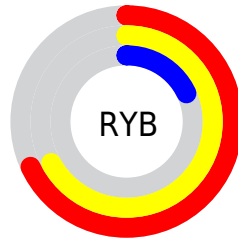
The Yxy color **20.0188, 0.4788, 0.4133** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.7397, 0.2017, 0.2088**, and the grayscale version is **19.2132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4718, 0.4443, 0.4016**, and **7.0505, 0.5276, 0.4193** is the 20% darker color. If you saturate the color by 10%, you get **18.1417, 0.5047, 0.4155**, and if you desaturate by 10%, it is **22.1372, 0.4515, 0.4066**.

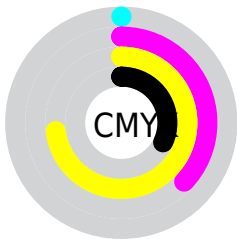
Distribution



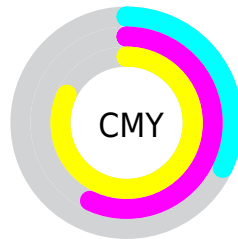
- Red (68%)
- Green (43%)
- Blue (18%)



- Red (68%)
- Yellow (67%)
- Blue (18%)



- Cyan (0%)
- Magenta (37%)
- Yellow (73%)
- Black (32%)





- Cyan (32%)
- Magenta (57%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0188, 0.4788, 0.4133 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 20.0188, 0.4788, 0.4133 by changing the saturation by 10% instead.


 20.0188, 0.4788,
0.4133


 20.0188, 0.4788,
0.4133


252.0169, 0.3874,
0.3738

 12.4087, 0.5022,
0.4194


 43.4487, 0.4445,
0.4009


 7.0227, 0.5314,
0.4238

 60.0373, 0.4318,
0.3955


 3.4763, 0.5733,
0.4267

 80.3875, 0.4213,
0.3907

 1.3852, 0.6011,
0.3989

 104.8838, 0.4123,
0.3865

 0.2057, 0.7684,
0.2316

 133.9104, 0.4047,
0.3827

 0.0000, 0.0000,
0.0000

 167.8519, 0.3982,

0.3794

207.0926, 0.3924,
0.3764

■ 20.0188, 0.4788,
0.4133

■ 20.0188, 0.4788,
0.4133

■ 18.1417, 0.5047,
0.4155

■ 22.1372, 0.4515,
0.4066

■ 16.4904, 0.5274,
0.4125

■ 24.5049, 0.4244,
0.3967

■ 15.5127, 0.5411,
0.4086

■ 27.1329, 0.3986,
0.3847

■ 30.0305, 0.3749,
0.3717

■ 33.2066, 0.3535,
0.3584

■ 36.6694, 0.3345,
0.3454

■ 40.4267, 0.3179,
0.3331

■ 44.4862, 0.3033,
0.3214

■ 48.8551, 0.2907,
0.3107

Harmonies

Analogous

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



20.0188, 0.4854, 0.3494



20.0188, 0.4788, 0.4133



20.0188, 0.4255, 0.4709

Triad

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



20.0188, 0.4788, 0.4133



20.0188, 0.1986, 0.3592



20.0188, 0.2584, 0.2059

Complementary

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



20.0188, 0.4788, 0.4133



14.7397, 0.2017, 0.2088

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.



20.0188, 0.1969, 0.1972



20.0188, 0.4788, 0.4133



20.0188, 0.1661, 0.2699

Square

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



20.0188, 0.4788, 0.4133



20.0188, 0.2637, 0.4541



20.0188, 0.1663, 0.2163



20.0188, 0.3458, 0.2383

Rectangle

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



20.0188, 0.4788, 0.4133



20.0188, 0.3746, 0.4936



20.0188, 0.1663, 0.2163



20.0188, 0.2345, 0.2001

Sweetspot

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



20.0198, 0.4788, 0.4133



60.1004, 0.3514, 0.3571



11.9965, 0.4262, 0.2422



12.7261, 0.3567, 0.3605



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



20.0198, 0.4788, 0.4133



30.6405, 0.5191, 0.4143



38.1513, 0.4101, 0.4850



8.6472, 0.3274, 0.3403



11.5141, 0.5395, 0.4099



0.4300, 0.4941, 0.4459

Inverse Universe

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



14.7397, 0.2017, 0.2088



20.6584, 0.1854, 0.1784



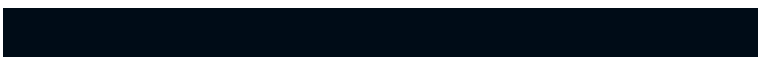
5.7205, 0.1751, 0.1030



8.3988, 0.2986, 0.3175



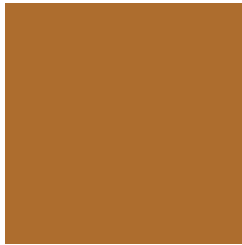
7.3554, 0.1782, 0.1616



0.3141, 0.1936, 0.2169

Previews

White Background



This preview shows how the Yxy color 20.0188, 0.4788, 0.4133 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 20.0188, 0.4788, 0.4133 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 20.0188, 0.4788, 0.4133

Background



This preview shows how black text looks on a background with the Yxy color 20.0188, 0.4788, 0.4133.



This preview shows how white text looks on a background with the Yxy color 20.0188, 0.4788, 0.4133.

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

20.0188, 0.4788, 0.4133

Protanopia

20.0489, 0.4129, 0.4532

Deuteranopia

20.0998, 0.4479, 0.4406



Tritanopia

19.9756, 0.4084, 0.3174

Trichromacy



Original Color

20.0188, 0.4788, 0.4133

Protanomaly

19.9947, 0.4365, 0.4383

Deuteranomaly

20.1247, 0.4596, 0.4305

Tritanomaly

20.0214, 0.4385, 0.3558

Monochromacy



Original Color

20.0188, 0.4788, 0.4133

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.1062, 0.3723, 0.3705

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0188, 0.4788, 0.4133 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(173, 109, 46)` looks like.

```
.text, #text, p{  
    color:rgb(173, 109, 46)  
}
```

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(173, 109, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 109, 46) }
```

Border

The CSS property to change the border of an element to Yxy 20.0188, 0.4788, 0.4133 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(173, 109, 46) }
```

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

```
.border{ border-color:rgb(173, 109, 46) }
```

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

Here you see how a box with a 4 pixel rgb(173, 109, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 109, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 109, 46);  
box-shadow:4px 4px 4px 4px rgb(173, 109,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0188, 0.4788, 0.4133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 109, 46) }
```

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

```
.background{ background-color: rgb(173,  
109, 46) }
```

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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