

Converting Colors

$Y_{xy}(20.3636, 0.4751, 0.4137)$

Have a look what the booklet for
Yxy(20.3636, 0.4751, 0.4137)
contains.

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Color

Yxy(20.4665, 0.4745, 0.4141)

Conversions

Conversions Part 1

Format	Color
Hex	AD6F30
RGB	173, 111, 48
RGB Percent	68%, 44%, 19%
CMY	0.3215, 0.5647, 0.8119
CMYK	0.00, 0.36, 0.72, 0.32
HSL	30°, 57%, 43%
HSV	30°, 72%, 68%
XYZ	23.4517, 20.4665, 5.5058
YIQ	122.3560, 57.1750, -6.4490

Conversions

Conversions Part 2

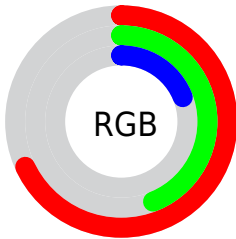
Format	Color
R _Y B	171, 173, 48
Decimal	11366192
CIE Lab	52.36, 18.95, 43.91
CIE LCh	52, 47.819, 66.658
Yxy	20.4665, 0.4745, 0.4141
Android (android.graphics.Color)	4289556272 (0xFFAD6F30)
YUV	122.3560, -36.6575, 44.4148
Hunter-Lab	45.2399, 13.3619, 24.4522

Details

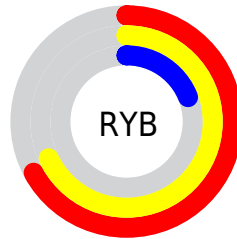
The Yxy color **20.4665, 0.4745, 0.4141** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.7876, 0.2026, 0.2090**, and the grayscale version is **19.6923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2133, 0.4411, 0.4018**, and **7.2680, 0.5228, 0.4231** is the 20% darker color. If you saturate the color by 10%, you get **18.5686, 0.5002, 0.4171**, and if you desaturate by 10%, it is **22.6020, 0.4475, 0.4068**.

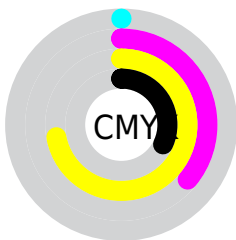
Distribution



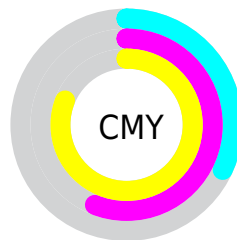
- Red (68%)
- Green (44%)
- Blue (19%)



- Red (67%)
- Yellow (68%)
- Blue (19%)



- Cyan (0%)
- Magenta (36%)
- Yellow (72%)
- Black (32%)




- Cyan (32%)
- Magenta (56%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.4665, 0.4745, 0.4141 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 20.4665, 0.4745, 0.4141 by changing the saturation by 10% instead.


 20.4665, 0.4745,
0.4141


 20.4665, 0.4745,
0.4141


254.4295, 0.3857,
0.3738


 12.7346, 0.4972,
0.4207


 44.1979, 0.4412,
0.4013

 7.2460, 0.5254,
0.4258


 60.9663, 0.4289,
0.3957

 3.6164, 0.5682,
0.4318

 81.5155, 0.4186,
0.3909

 1.4614, 0.5942,
0.4058

 106.2301, 0.4099,
0.3866

 0.2613, 0.7312,
0.2688

 135.4944, 0.4025,
0.3828

 0.0000, 0.0000,
0.0000

 169.6928, 0.3961,

0.3794

209.2097, 0.3906,
0.3765

■ 20.4665, 0.4745,
0.4141

■ 20.4665, 0.4745,
0.4141

■ 18.5686, 0.5002,
0.4171

■ 22.6020, 0.4475,
0.4068

■ 16.8932, 0.5230,
0.4148

■ 24.9826, 0.4208,
0.3964

■ 15.7378, 0.5388,
0.4104

■ 27.6190, 0.3955,
0.3841

■ 30.5203, 0.3721,
0.3708

■ 33.6950, 0.3511,
0.3574

■ 37.1510, 0.3325,
0.3442

■ 40.8962, 0.3162,
0.3317

■ 44.9376, 0.3018,
0.3200

■ 49.2825, 0.2893,
0.3092

Harmonies

Analogous

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



20.4665, 0.4821, 0.3514



20.4665, 0.4745, 0.4141



20.4665, 0.4216, 0.4696

Triad

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



20.4665, 0.4745, 0.4141



20.4665, 0.1996, 0.3558



20.4665, 0.2619, 0.2088

Complementary

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



20.4665, 0.4745, 0.4141



14.7876, 0.2026, 0.2090

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.



20.4665, 0.2005, 0.1995



20.4665, 0.4745, 0.4141



20.4665, 0.1685, 0.2693

Square

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



20.4665, 0.4745, 0.4141



20.4665, 0.2627, 0.4486



20.4665, 0.1695, 0.2177



20.4665, 0.3479, 0.2413

Rectangle

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



20.4665, 0.4745, 0.4141



20.4665, 0.3714, 0.4903



20.4665, 0.1695, 0.2177



20.4665, 0.2381, 0.2029

Sweetspot

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



20.4675, 0.4745, 0.4141



60.2803, 0.3514, 0.3575



12.1315, 0.4279, 0.2457



12.7689, 0.3566, 0.3610



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.



20.4675, 0.4745, 0.4141



31.3355, 0.5149, 0.4163



38.9870, 0.4074, 0.4856



8.6576, 0.3274, 0.3405



11.6755, 0.5372, 0.4117



0.4342, 0.4926, 0.4470

Inverse Universe

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



14.7876, 0.2026, 0.2090



20.5814, 0.1856, 0.1779



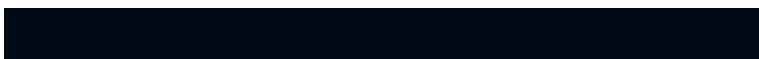
5.7551, 0.1762, 0.1033



8.3885, 0.2986, 0.3173



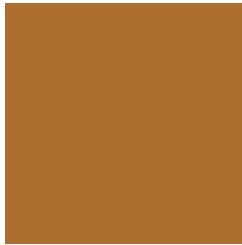
7.1941, 0.1775, 0.1590



0.3098, 0.1931, 0.2150

Previews

White Background



This preview shows how the Yxy color 20.4665, 0.4745, 0.4141 looks on a white background.

Color Contrast Check

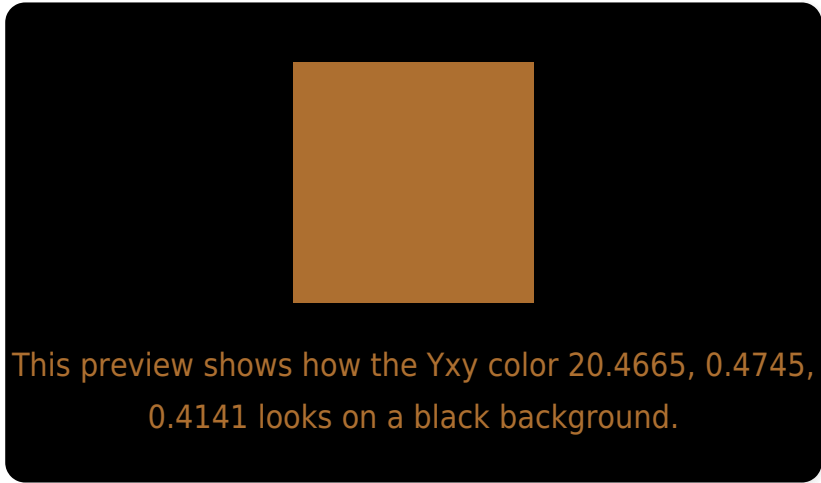
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

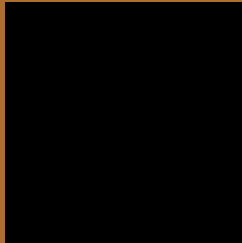
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4665, 0.4745, 0.4141

Background



This preview shows how black text looks on a background with the Yxy color 20.4665, 0.4745, 0.4141.



This preview shows how white text looks on a background with the Yxy color 20.4665, 0.4745, 0.4141.

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

20.4665, 0.4745, 0.4141

Protanopia

20.7451, 0.4117, 0.4520

Deuteranopia

20.4588, 0.4454, 0.4381



Tritanopia

20.4176, 0.4043, 0.3174

Trichromacy



Original Color

20.4665, 0.4745, 0.4141

Protanomaly

20.5892, 0.4337, 0.4380

Deuteranomaly

20.3774, 0.4558, 0.4288

Tritanomaly

20.4668, 0.4340, 0.3558

Monochromacy



Original Color

20.4665, 0.4745, 0.4141

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.4458, 0.3718, 0.3702

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4665, 0.4745, 0.4141 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, 111, 48)` looks like.

```
.text, #text, p{  
    color:rgb(173, 111, 48)  
}
```

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, 111, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 111, 48) }
```

Border

The CSS property to change the border of an element to Yxy 20.4665, 0.4745, 0.4141 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, 111, 48) }
```

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

```
.border{ border-color:rgb(173, 111, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 111, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 111, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 111, 48);  
box-shadow:4px 4px 4px 4px rgb(173, 111,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4665, 0.4745, 0.4141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 111, 48) }
```

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

```
.background{ background-color: rgb(173,  
111, 48) }
```

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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