

Converting Colors

$Y_{xy}(21.0592, 0.4460, 0.4172)$

Have a look what the booklet for
Yxy(21.0592, 0.4460, 0.4172)
contains.

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Color

Yxy(21.1549, 0.4457, 0.4180)

Conversions

Conversions Part 1

Format	Color
Hex	A4763A
RGB	164, 118, 58
RGB Percent	64%, 46%, 23%
CMY	0.3567, 0.5373, 0.7725
CMYK	0.00, 0.28, 0.65, 0.36
HSL	34°, 48%, 44%
HSV	34°, 65%, 64%
XYZ	22.5568, 21.1549, 6.8981
YIQ	124.9140, 46.6760, -8.9080

Conversions

Conversions Part 2

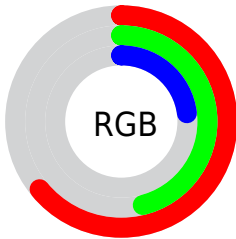
Format	Color
R_{YB}	139, 164, 58
Decimal	10778170
CIE _{Lab}	53.12, 11.64, 39.44
CIE _{LCh}	53, 41.122, 73.559
Yxy	21.1549, 0.4457, 0.4180
Android (android.graphics.Color)	4288968250 (0xFFA4763A)
YUV	124.9140, -32.9886, 34.2784
Hunter-Lab	45.9945, 7.0504, 23.3040

Details

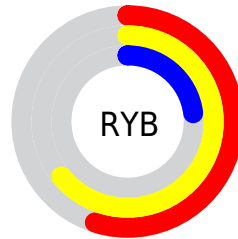
The Yxy color **21.1549, 0.4457, 0.4180** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.4911, 0.2097, 0.2110**, and the grayscale version is **20.5803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3406, 0.4185, 0.4024**, and **7.6491, 0.4896, 0.4384** is the 20% darker color. If you saturate the color by 10%, you get **19.4001, 0.4696, 0.4257**, and if you desaturate by 10%, it is **23.0917, 0.4214, 0.4069**.

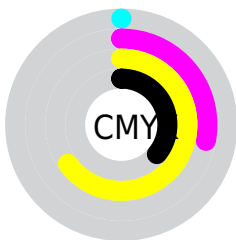
Distribution



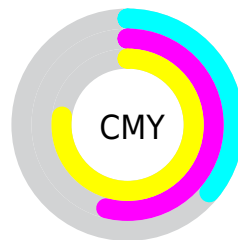
- Red (64%)
- Green (46%)
- Blue (23%)



- Red (55%)
- Yellow (64%)
- Blue (23%)



- Cyan (0%)
- Magenta (28%)
- Yellow (65%)
- Black (36%)





- Cyan (36%)
- Magenta (54%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.1549, 0.4457, 0.4180 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 21.1549, 0.4457, 0.4180 by changing the saturation by 10% instead.


 21.1549, 0.4457,
0.4180


 21.1549, 0.4457,
0.4180


258.1006, 0.3726,
0.3727


 13.2373, 0.4649,
0.4278


 45.3452, 0.4180,
0.4021

 7.5921, 0.4890,
0.4382


 62.3866, 0.4079,
0.3959

 3.8351, 0.5354,
0.4611

 83.2382, 0.3995,
0.3906

 1.5818, 0.5536,
0.4464

 108.2841, 0.3924,
0.3860

 0.3452, 0.6394,
0.3606

 137.9090, 0.3863,
0.3820

 0.0000, 0.0000,
0.0000

 172.4971, 0.3811,

0.3785

212.4328, 0.3766,
0.3754

■ 21.1549, 0.4457,
0.4180

■ 21.1549, 0.4457,
0.4180

■ 19.4001, 0.4696,
0.4257

■ 23.0917, 0.4214,
0.4069

■ 17.8161, 0.4917,
0.4290

■ 25.2145, 0.3977,
0.3935

■ 16.3947, 0.5108,
0.4271

■ 27.5312, 0.3753,
0.3790

■ 15.6897, 0.5204,
0.4250

■ 30.0480, 0.3548,
0.3641

■ 32.7708, 0.3363,
0.3494

■ 35.7051, 0.3197,
0.3353

■ 38.8563, 0.3051,
0.3220

■ 42.2294, 0.2921,
0.3096

■ 45.8295, 0.2808,
0.2981

Harmonies

Analogous

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



21.1549, 0.4605, 0.3640



21.1549, 0.4457, 0.4180



21.1549, 0.3949, 0.4586

Triad

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



21.1549, 0.4457, 0.4180



21.1549, 0.2062, 0.3342



21.1549, 0.2853, 0.2286

Complementary

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



21.1549, 0.4457, 0.4180



13.4911, 0.2097, 0.2110

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.



21.1549, 0.2254, 0.2156



21.1549, 0.4457, 0.4180



21.1549, 0.1844, 0.2661

Square

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



21.1549, 0.4457, 0.4180



21.1549, 0.2564, 0.4131



21.1549, 0.1912, 0.2267



21.1549, 0.3613, 0.2618

Rectangle

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



21.1549, 0.4457, 0.4180



21.1549, 0.3496, 0.4667



21.1549, 0.1912, 0.2267



21.1549, 0.2628, 0.2218

Sweetspot

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



21.1559, 0.4457, 0.4180



57.0810, 0.3448, 0.3563



11.9573, 0.4201, 0.2587



12.1879, 0.3499, 0.3603



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



21.1559, 0.4457, 0.4180



33.7742, 0.4805, 0.4279



34.2105, 0.3950, 0.4777



7.7197, 0.3272, 0.3417



12.1214, 0.5192, 0.4260



0.3464, 0.4746, 0.4614

Inverse Universe

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



13.4911, 0.2097, 0.2110



18.8274, 0.1903, 0.1790



6.7752, 0.1942, 0.1279



7.3423, 0.2987, 0.3160



5.6231, 0.1722, 0.1399



0.2114, 0.1921, 0.2114

Previews

White Background



This preview shows how the Yxy color 21.1549, 0.4457, 0.4180 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 21.1549, 0.4457, 0.4180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

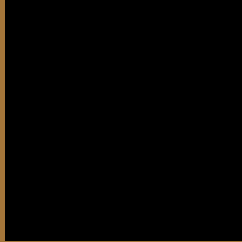
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1549, 0.4457, 0.4180

Background



This preview shows how black text looks on a background with the Yxy color 21.1549, 0.4457, 0.4180.



This preview shows how white text looks on a background with the Yxy color 21.1549, 0.4457, 0.4180.

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

21.1549, 0.4457, 0.4180

Protanopia

21.1784, 0.4039, 0.4405

Deuteranopia

21.1383, 0.4345, 0.4276



Tritanopia

21.0498, 0.3777, 0.3152

Trichromacy



Original Color

21.1549, 0.4457, 0.4180

Protanomaly

21.1311, 0.4182, 0.4328

Deuteranomaly

21.2019, 0.4394, 0.4244

Tritanomaly

21.1132, 0.4063, 0.3558

Monochromacy



Original Color

21.1549, 0.4457, 0.4180

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.3476, 0.3596, 0.3667

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1549, 0.4457, 0.4180 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(164, 118, 58)` looks like.

```
.text, #text, p{  
    color:rgb(164, 118, 58)  
}
```

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(164, 118, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 118, 58) }
```

Border

The CSS property to change the border of an element to Yxy 21.1549, 0.4457, 0.4180 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(164, 118, 58) }
```

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

```
.border{ border-color:rgb(164, 118, 58) }
```

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

Here you see how a box with a 4 pixel rgb(164, 118, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 118, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 118, 58);  
box-shadow:4px 4px 4px 4px rgb(164, 118,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1549, 0.4457, 0.4180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 118, 58) }
```

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

```
.background{ background-color: rgb(164,  
118, 58) }
```

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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