

Converting Colors

$Y_{xy}(16.8966, 0.4164, 0.4174)$

Have a look what the booklet for
Yxy(16.8966, 0.4164, 0.4174)
contains.

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Color

Yxy(16.8921, 0.4165, 0.4163)

Conversions

Conversions Part 1

Format	Color
Hex	8A6E3D
RGB	138, 110, 61
RGB Percent	54%, 43%, 24%
CMY	0.4588, 0.5686, 0.7608
CMYK	0.00, 0.20, 0.56, 0.46
HSL	38°, 39%, 39%
HSV	38°, 56%, 54%
XYZ	16.9002, 16.8921, 6.7844
YIQ	112.7860, 32.4170, -9.3030

Conversions

Conversions Part 2

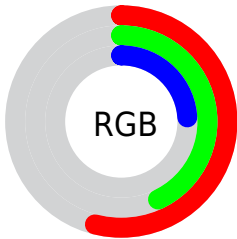
Format	Color
R_{YB}	105, 138, 61
Decimal	9072189
CIE _{Lab}	48.12, 4.77, 31.27
CIE _{LCh}	48, 31.630, 81.335
Yxy	16.8921, 0.4165, 0.4163
Android (android.graphics.Color)	4287262269 (0xFF8A6E3D)
YUV	112.7860, -25.5305, 22.1127
Hunter-Lab	41.1000, 1.4737, 18.9829

Details

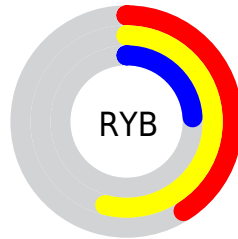
The Yxy color **16.8921, 0.4165, 0.4163** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.9727, 0.2217, 0.2192**, and the grayscale version is **16.5172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9530, 0.3928, 0.3970**, and **5.5208, 0.4542, 0.4469** is the 20% darker color. If you saturate the color by 10%, you get **15.7103, 0.4378, 0.4286**, and if you desaturate by 10%, it is **18.1752, 0.3952, 0.4017**.

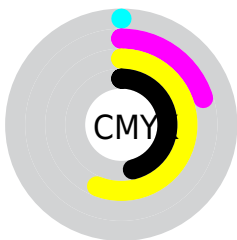
Distribution



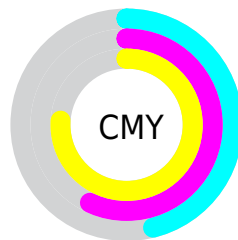
- Red (54%)
- Green (43%)
- Blue (24%)



- Red (41%)
- Yellow (54%)
- Blue (24%)



- Cyan (0%)
- Magenta (20%)
- Yellow (56%)
- Black (46%)





- Cyan (46%)
- Magenta (57%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8921, 0.4165, 0.4163 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 16.8921, 0.4165, 0.4163 by changing the saturation by 10% instead.


 16.8921, 0.4165,
0.4163


 16.8921, 0.4165,
0.4163


234.5498, 0.3571,
0.3678

 10.1576, 0.4334,
0.4292


 38.1402, 0.3932,
0.3978

 5.5036, 0.4558,
0.4452

 53.4225, 0.3849,
0.3910

 2.5456, 0.5112,
0.4888

 72.3229, 0.3782,
0.3855

 0.8994, 0.5209,
0.4791

 95.2258, 0.3725,
0.3808

 0.0000, 0.0000,
0.0000

 122.5155, 0.3678,
0.3768

 154.5765, 0.3637,

0.3734

191.7931, 0.3602,
0.3704

■ 16.8921, 0.4165,
0.4163

■ 16.8921, 0.4165,
0.4163

■ 15.7103, 0.4378,
0.4286

■ 18.1752, 0.3952,
0.4017

■ 14.6233, 0.4582,
0.4375

■ 19.5607, 0.3746,
0.3859

■ 13.6274, 0.4767,
0.4422

■ 21.0530, 0.3553,
0.3696

■ 12.7164, 0.4926,
0.4422

■ 22.6551, 0.3375,
0.3534

■ 12.3534, 0.4992,
0.4418

■ 24.3702, 0.3214,
0.3377

■ 26.2010, 0.3068,
0.3229

■ 28.1503, 0.2938,
0.3090

■ 30.2207, 0.2822,
0.2961

■ 32.4148, 0.2719,
0.2842

Harmonies

Analogous

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



16.8921, 0.4364, 0.3732



16.8921, 0.4165, 0.4163



16.8921, 0.3692, 0.4412

Triad

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



16.8921, 0.4165, 0.4163



16.8921, 0.2156, 0.3181



16.8921, 0.3063, 0.2493

Complementary

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



16.8921, 0.4165, 0.4163



9.9727, 0.2217, 0.2192

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.



16.8921, 0.2506, 0.2333



16.8921, 0.4165, 0.4163



16.8921, 0.2026, 0.2663

Square

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



16.8921, 0.4165, 0.4163



16.8921, 0.2533, 0.3821



16.8921, 0.2148, 0.2381



16.8921, 0.3696, 0.2820

Rectangle

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



16.8921, 0.4165, 0.4163



16.8921, 0.3296, 0.4390



16.8921, 0.2148, 0.2381



16.8921, 0.2860, 0.2419

Sweetspot

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



16.8929, 0.4165, 0.4163



39.4752, 0.3402, 0.3559



9.4665, 0.4104, 0.2782



8.7460, 0.3431, 0.3586



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



16.8929, 0.4165, 0.4163



27.1691, 0.4433, 0.4313



23.0845, 0.3777, 0.4639



5.5442, 0.3266, 0.3429



11.3536, 0.4988, 0.4421



0.1034, 0.4562, 0.4760

Inverse Universe

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



9.9727, 0.2217, 0.2192



13.7424, 0.2019, 0.1891



6.5224, 0.2206, 0.1621



5.1707, 0.2991, 0.3147



3.8145, 0.1669, 0.1207



0.0514, 0.1897, 0.2030

Previews

White Background



This preview shows how the Yxy color 16.8921, 0.4165, 0.4163 looks on a white 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

Black Background



This preview shows how the Yxy color 16.8921, 0.4165, 0.4163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

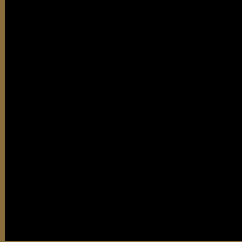
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8921, 0.4165, 0.4163

Background



This preview shows how black text looks on a background with the Yxy color 16.8921, 0.4165, 0.4163.



This preview shows how white text looks on a background with the Yxy color 16.8921, 0.4165, 0.4163.

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

16.8921, 0.4165, 0.4163

Protanopia

17.0560, 0.3922, 0.4279

Deuteranopia

16.8496, 0.4204, 0.4136



Tritanopia

16.8213, 0.3562, 0.3149

Trichromacy



Original Color

16.8921, 0.4165, 0.4163

Protanomaly

16.9039, 0.4009, 0.4241

Deuteranomaly

16.7632, 0.4190, 0.4141

Tritanomaly

16.7611, 0.3813, 0.3528

Monochromacy



Original Color

16.8921, 0.4165, 0.4163

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.5341, 0.3495, 0.3648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8921, 0.4165, 0.4163 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(138, 110, 61)` looks like.

```
.text, #text, p{  
  color:rgb(138, 110, 61)  
}
```

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(138, 110, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 110, 61) }
```

Border

The CSS property to change the border of an element to Yxy 16.8921, 0.4165, 0.4163 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(138, 110, 61) }
```

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

```
.border{ border-color:rgb(138, 110, 61) }
```

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

Here you see how a box with a 4 pixel rgb(138, 110, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 110, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 110, 61);  
box-shadow:4px 4px 4px 4px rgb(138, 110,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8921, 0.4165, 0.4163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 110, 61) }
```

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

```
.background{ background-color: rgb(138,  
110, 61) }
```

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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