

Converting Colors

$Y_{xy}(16.5461, 0.4273, 0.4827)$

Have a look what the booklet for
Yxy(16.5461, 0.4273, 0.4827)
contains.

Yxy(16.4451, 0.4280, 0.4821)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.4451, 0.4280, 0.4821)

Conversions

Conversions Part 1

Format	Color
Hex	7D7214
RGB	125, 114, 20
RGB Percent	49%, 45%, 8%
CMY	0.5099, 0.5529, 0.9215
CMYK	0.00, 0.09, 0.84, 0.51
HSL	54°, 72%, 28%
HSV	54°, 84%, 49%
XYZ	14.5997, 16.4451, 3.0666
YIQ	106.5730, 36.7300, -26.9020

Conversions

Conversions Part 2

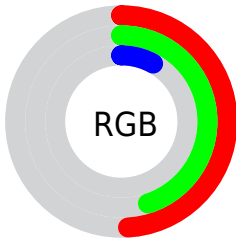
Format	Color
RYB	32, 125, 20
Decimal	8221204
CIELab	47.55, -6.16, 48.72
CIELCh	48, 49.112, 97.205
Yxy	16.4451, 0.4280, 0.4821
Android (android.graphics.Color)	4286411284 (0xFF7D7214)
YUV	106.5730, -42.6805, 16.1605
Hunter-Lab	40.5526, -6.7037, 23.9032

Details

The Yxy color **16.4451, 0.4280, 0.4821** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.6083, 0.1674, 0.0975**, and the grayscale version is **14.6914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5772, 0.4072, 0.4514**, and **5.3129, 0.4353, 0.4925** is the 20% darker color. If you saturate the color by 10%, you get **16.1190, 0.4347, 0.4876**, and if you desaturate by 10%, it is **16.7994, 0.4188, 0.4726**.

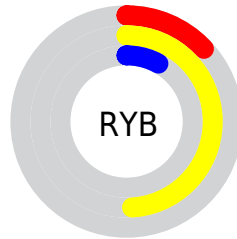
Distribution



Red (49%)

Green (45%)

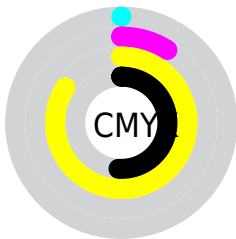
Blue (8%)



Red (13%)

Yellow (49%)

Blue (8%)

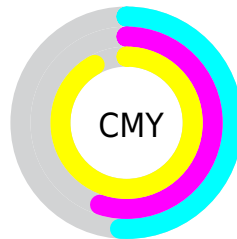


Cyan (0%)

Magenta (9%)

Yellow (84%)

Black (51%)



Cyan (51%)

Magenta (55%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4451, 0.4280, 0.4821 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 16.4451, 0.4280, 0.4821 by changing the saturation by 10% instead.


 16.4451, 0.4280,
0.4821


 16.4451, 0.4280,
0.4821


231.9540, 0.3674,
0.3975


 9.8397, 0.4402,
0.5022


 37.3692, 0.4069,
0.4508


 5.2928, 0.4623,
0.5377

 52.4567, 0.3985,
0.4390

 2.4201, 0.4548,
0.5452


 71.1403, 0.3912,
0.4291

 0.8362, 0.4352,
0.5648


 93.8044, 0.3850,
0.4208


 0.0000, 0.0000,
0.0000


 120.8334, 0.3797,
0.4137


 152.6118, 0.3750,

0.4075

 189.5239, 0.3710,
0.4022


 16.4451, 0.4280,
0.4821

 16.4451, 0.4280,
0.4821


 16.1190, 0.4347,
0.4876


 16.7994, 0.4188,
0.4726

 15.9287, 0.4383,
0.4902

 17.1831, 0.4074,
0.4591

 17.5996, 0.3940,
0.4424

 18.0512, 0.3794,
0.4231

 18.5399, 0.3640,
0.4022

■ 19.0676, 0.3484,
0.3805

■ 19.6361, 0.3331,
0.3586

■ 20.2471, 0.3184,
0.3373

■ 20.9020, 0.3045,
0.3168

Harmonies

Analogous

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



16.4451, 0.4880, 0.4197



16.4451, 0.4280, 0.4821



16.4451, 0.3432, 0.5094

Triad

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



16.4451, 0.4280, 0.4821



16.4451, 0.1561, 0.2608



16.4451, 0.3527, 0.2345

Complementary

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



16.4451, 0.4280, 0.4821



2.6083, 0.1674, 0.0975

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.



16.4451, 0.2581, 0.1994



16.4451, 0.4280, 0.4821



16.4451, 0.1583, 0.2067

Square

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



16.4451, 0.4280, 0.4821



16.4451, 0.1879, 0.3557



16.4451, 0.1917, 0.1887



16.4451, 0.4478, 0.2883

Rectangle

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



16.4451, 0.4280, 0.4821



16.4451, 0.2833, 0.4866



16.4451, 0.1917, 0.1887



16.4451, 0.3191, 0.2204

Sweetspot

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



16.4459, 0.4280, 0.4821



33.9960, 0.3509, 0.3840



4.9652, 0.5675, 0.3141



7.6703, 0.3554, 0.3903



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



16.4459, 0.4280, 0.4821



28.4061, 0.4388, 0.4898



16.6338, 0.3595, 0.5349



4.9450, 0.3258, 0.3481



16.6225, 0.4383, 0.4902



0.0000, 0.0000, 0.0000

Inverse Universe

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



2.6083, 0.1674, 0.0975



3.0545, 0.1523, 0.0681



2.9493, 0.2050, 0.1037



4.2786, 0.2993, 0.3091



1.8418, 0.1528, 0.0702



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.4451, 0.4280, 0.4821 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 16.4451, 0.4280, 0.4821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

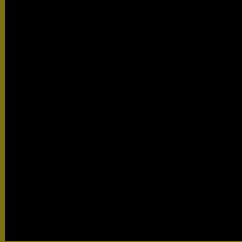
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4451, 0.4280, 0.4821

Background



This preview shows how black text looks on a background with the Yxy color 16.4451, 0.4280, 0.4821.



This preview shows how white text looks on a background with the Yxy color 16.4451, 0.4280, 0.4821.

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

16.4451, 0.4280, 0.4821

Protanopia

16.3728, 0.4323, 0.4787

Deuteranopia

16.3321, 0.4598, 0.4530



Tritanopia

16.4285, 0.3386, 0.3142

Trichromacy



Original Color

16.4451, 0.4280, 0.4821

Protanomaly

16.2964, 0.4309, 0.4798

Deuteranomaly

16.4480, 0.4477, 0.4636

Tritanomaly

16.1836, 0.3800, 0.3851

Monochromacy



Original Color

16.4451, 0.4280, 0.4821

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.2373, 0.3638, 0.4021

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4451, 0.4280, 0.4821 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(125, 114, 20)` looks like.

```
.text, #text, p{  
    color:rgb(125, 114, 20)  
}
```

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(125, 114, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 114, 20) }
```

Border

The CSS property to change the border of an element to Yxy 16.4451, 0.4280, 0.4821 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(125, 114, 20) }
```

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

```
.border{ border-color:rgb(125, 114, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 114, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 114, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 114, 20);  
box-shadow:4px 4px 4px 4px rgb(125, 114,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4451, 0.4280, 0.4821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 114, 20) }
```

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

```
.background{ background-color: rgb(125,  
114, 20) }
```

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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