

Converting Colors

$Y_{xy}(16.7551, 0.4960, 0.4291)$

Have a look what the booklet for
Yxy(16.7551, 0.4960, 0.4291)
contains.

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Color

Yxy(16.7456, 0.4965, 0.4288)

Conversions

Conversions Part 1

Format	Color
Hex	A16415
RGB	161, 100, 21
RGB Percent	63%, 39%, 8%
CMY	0.3686, 0.6078, 0.9178
CMYK	0.00, 0.38, 0.87, 0.37
HSL	34°, 77%, 36%
HSV	34°, 87%, 63%
XYZ	19.3894, 16.7456, 2.9172
YIQ	109.2330, 61.7150, -11.6370

Conversions

Conversions Part 2

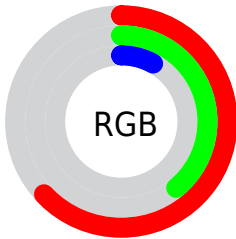
Format	Color
RYB	129, 161, 21
Decimal	10576917
CIELab	47.94, 18.74, 50.39
CIElCh	48, 53.765, 69.597
Yxy	16.7456, 0.4965, 0.4288
Android (android.graphics.Color)	4288766997 (0xFFA16415)
YUV	109.2330, -43.4989, 45.3997
Hunter-Lab	40.9214, 12.9647, 24.4183

Details

The Yxy color **16.7456, 0.4965, 0.4288** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.7570, 0.1826, 0.1640**, and the grayscale version is **15.4746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8299, 0.4591, 0.4156**, and **5.4893, 0.5304, 0.4170** is the 20% darker color. If you saturate the color by 10%, you get **15.4154, 0.5151, 0.4260**, and if you desaturate by 10%, it is **18.2299, 0.4749, 0.4267**.

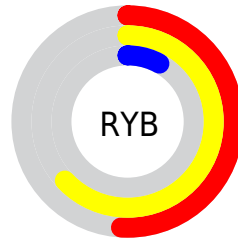
Distribution



Red (63%)

Green (39%)

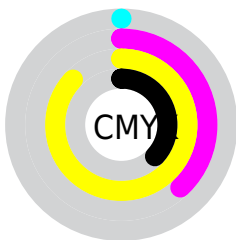
Blue (8%)



Red (51%)

Yellow (63%)

Blue (8%)

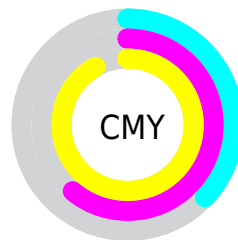


Cyan (0%)

Magenta (38%)

Yellow (87%)

Black (37%)



Cyan (37%)


Magenta (61%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7456, 0.4965, 0.4288 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 16.7456, 0.4965, 0.4288 by changing the saturation by 10% instead.


 16.7456, 0.4965,
0.4288


 16.7456, 0.4965,
0.4288


233.7021, 0.3956,
0.3828


 10.0533, 0.5205,
0.4340


 37.8879, 0.4594,
0.4154


 5.4343, 0.5578,
0.4422

 53.1066, 0.4453,
0.4091


 2.5043, 0.5771,
0.4229

 71.9362, 0.4335,
0.4034

 0.8788, 0.6106,
0.3894

 94.7612, 0.4235,
0.3983


 0.0000, 1.0000,
0.0000

 121.9658, 0.4150,
0.3937

 0.0000, 0.0000,
0.0000


 153.9346, 0.4076,


0.3897


 191.0519, 0.4012,
0.3860


 16.7456, 0.4965,
0.4288


 16.7456, 0.4965,
0.4288

 15.4154, 0.5151,
0.4260

 18.2299, 0.4749,
0.4267

 15.0390, 0.5206,
0.4248

 19.8765, 0.4513,
0.4199

 21.6941, 0.4270,
0.4095

 23.6900, 0.4030,
0.3966

 25.8706, 0.3804,
0.3823

■ 28.2420, 0.3594,
0.3674

■ 30.8099, 0.3404,
0.3527

■ 33.5798, 0.3234,
0.3385

■ 36.5567, 0.3084,
0.3250

Harmonies

Analogous

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



16.7456, 0.5161, 0.3567



16.7456, 0.4965, 0.4288



16.7456, 0.4276, 0.4968

Triad

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



16.7456, 0.4965, 0.4288



16.7456, 0.1740, 0.3475



16.7456, 0.2605, 0.1928

Complementary

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



16.7456, 0.4965, 0.4288



8.7570, 0.1826, 0.1640

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.



16.7456, 0.1874, 0.1791



16.7456, 0.4965, 0.4288



16.7456, 0.1445, 0.2478

Square

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



16.7456, 0.4965, 0.4288



16.7456, 0.2422, 0.4670



16.7456, 0.1498, 0.1946



16.7456, 0.3644, 0.2316

Rectangle

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



16.7456, 0.4965, 0.4288



16.7456, 0.3673, 0.5237



16.7456, 0.1498, 0.1946



16.7456, 0.2321, 0.1853

Sweetspot

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



16.7465, 0.4965, 0.4288



50.8034, 0.3584, 0.3667



8.7507, 0.4799, 0.2536



10.8319, 0.3649, 0.3715



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



16.7465, 0.4965, 0.4288



26.5364, 0.5229, 0.4230



32.4113, 0.4082, 0.5049



7.7182, 0.3272, 0.3417



12.0942, 0.5195, 0.4257



0.3459, 0.4747, 0.4612

Inverse Universe

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



8.7570, 0.1826, 0.1640



12.1007, 0.1710, 0.1355



3.3538, 0.1612, 0.0753



7.3437, 0.2987, 0.3160



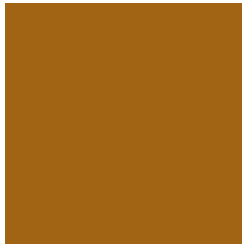
5.6432, 0.1723, 0.1403



0.2119, 0.1922, 0.2117

Previews

White Background



This preview shows how the Yxy color 16.7456, 0.4965, 0.4288 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 16.7456, 0.4965, 0.4288 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 16.7456, 0.4965, 0.4288

Background



This preview shows how black text looks on a background with the Yxy color 16.7456, 0.4965, 0.4288.



This preview shows how white text looks on a background with the Yxy color 16.7456, 0.4965, 0.4288.

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

16.7456, 0.4965, 0.4288

Protanopia

16.9988, 0.4296, 0.4755

Deuteranopia

16.6889, 0.4654, 0.4582



Tritanopia

16.7481, 0.4130, 0.3183

Trichromacy



Original Color

16.7456, 0.4965, 0.4288

Protanomaly

16.8805, 0.4539, 0.4581

Deuteranomaly

16.6277, 0.4771, 0.4474

Tritanomaly

16.7132, 0.4540, 0.3678

Monochromacy



Original Color

16.7456, 0.4965, 0.4288

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.4331, 0.3847, 0.3857

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7456, 0.4965, 0.4288 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(161, 100, 21)` looks like.

```
.text, #text, p{  
    color:rgb(161, 100, 21)  
}
```

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(161, 100, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 100, 21) }
```

Border

The CSS property to change the border of an element to Yxy 16.7456, 0.4965, 0.4288 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(161, 100, 21) }
```

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

```
.border{ border-color:rgb(161, 100, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 100, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 100, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 100, 21);  
box-shadow:4px 4px 4px 4px rgb(161, 100,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7456, 0.4965, 0.4288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 100, 21) }
```

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

```
.background{ background-color: rgb(161,  
100, 21) }
```

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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