

Converting Colors

$Y_{xy}(16.6290, 0.4416, 0.4707)$

Have a look what the booklet for
Yxy(16.6290, 0.4416, 0.4707)
contains.

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Color

Yxy(16.6290, 0.4416, 0.4707)

Conversions

Conversions Part 1

Format	Color
Hex	857015
RGB	133, 112, 21
RGB Percent	52%, 44%, 8%
CMY	0.4785, 0.5608, 0.9175
CMYK	0.00, 0.16, 0.84, 0.48
HSL	49°, 73%, 30%
HSV	49°, 84%, 52%
XYZ	15.6009, 16.6290, 3.0983
YIQ	107.9050, 41.7270, -23.8490

Conversions

Conversions Part 2

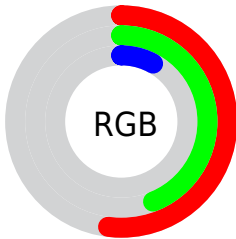
Format	Color
R_{YB}	47, 133, 21
Decimal	8744981
CIE Lab	47.79, -1.19, 48.92
CIE LCh	48, 48.937, 91.394
Yxy	16.6290, 0.4416, 0.4707
Android (android.graphics.Color)	4286935061 (0xFF857015)
YUV	107.9050, -42.8442, 22.0083
Hunter-Lab	40.7787, -3.0728, 24.0403

Details

The Yxy color **16.6290, 0.4416, 0.4707** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.5094, 0.1707, 0.1116**, and the grayscale version is **15.0829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5076, 0.4171, 0.4429**, and **5.4861, 0.4532, 0.4783** is the 20% darker color. If you saturate the color by 10%, you get **16.0501, 0.4507, 0.4748**, and if you desaturate by 10%, it is **17.2505, 0.4298, 0.4623**.

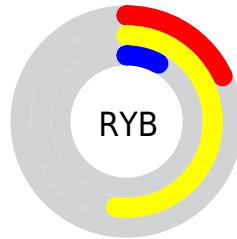
Distribution



Red (52%)

Green (44%)

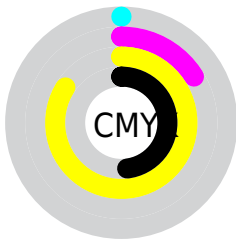
Blue (8%)



Red (18%)

Yellow (52%)

Blue (8%)

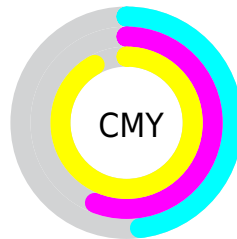


Cyan (0%)

Magenta (16%)

Yellow (84%)

Black (48%)



Cyan (48%)

Magenta (56%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.6290, 0.4416, 0.4707 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 16.6290, 0.4416, 0.4707 by changing the saturation by 10% instead.

■ 16.6290, 0.4416,
0.4707

■ 16.6290, 0.4416,
0.4707

■ 233.0252, 0.3728,
0.3943

■ 9.9703, 0.4564,
0.4876

■ 37.6868, 0.4171,
0.4432

■ 5.3793, 0.4826,
0.5174

■ 52.8547, 0.4076,
0.4326

■ 2.4715, 0.4812,
0.5188

■ 71.6278, 0.3994,
0.4236

■ 0.8623, 0.4783,
0.5217

■ 94.3905, 0.3925,
0.4160


■ 0.0000, 0.0000,
0.0000


■ 121.5272, 0.3865,
0.4094


■ 153.4223, 0.3813,


0.4037

 190.4602, 0.3768,
0.3987


 16.6290, 0.4416,
0.4707

 16.6290, 0.4416,
0.4707


 16.0501, 0.4507,
0.4748


 17.2505, 0.4298,
0.4623

 15.7247, 0.4557,
0.4764

 17.9164, 0.4158,
0.4500

 18.6306, 0.4002,
0.4344

 19.3959, 0.3836,
0.4163

 20.2148, 0.3667,
0.3968

■ 21.0897, 0.3500,
0.3767

■ 22.0226, 0.3339,
0.3565

■ 23.0157, 0.3187,
0.3370

■ 24.0707, 0.3047,
0.3182

Harmonies

Analogous

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



16.6290, 0.4936, 0.4063



16.6290, 0.4416, 0.4707



16.6290, 0.3604, 0.5077

Triad

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



16.6290, 0.4416, 0.4707



16.6290, 0.1604, 0.2766



16.6290, 0.3330, 0.2266

Complementary

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



16.6290, 0.4416, 0.4707



3.5094, 0.1707, 0.1116

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.



16.6290, 0.2431, 0.1961



16.6290, 0.4416, 0.4707



16.6290, 0.1563, 0.2148

Square

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



16.6290, 0.4416, 0.4707



16.6290, 0.1991, 0.3770



16.6290, 0.1835, 0.1906



16.6290, 0.4306, 0.2772

Rectangle

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



16.6290, 0.4416, 0.4707



16.6290, 0.3007, 0.4958



16.6290, 0.1835, 0.1906



16.6290, 0.3004, 0.2139

Sweetspot

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



16.6298, 0.4416, 0.4707



37.5534, 0.3523, 0.3795



5.7004, 0.5475, 0.3006



8.3539, 0.3572, 0.3855



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



16.6298, 0.4416, 0.4707



27.9529, 0.4566, 0.4757



19.5006, 0.3709, 0.5276



5.2787, 0.3261, 0.3465



14.9924, 0.4556, 0.4765



0.0614, 0.4358, 0.4921

Inverse Universe

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



3.5094, 0.1707, 0.1116



4.0923, 0.1551, 0.0782



3.0320, 0.1920, 0.0961



4.6754, 0.2992, 0.3108



2.2816, 0.1560, 0.0815



0.0160, 0.1735, 0.1446

Previews

White Background



This preview shows how the Yxy color 16.6290, 0.4416, 0.4707 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 16.6290, 0.4416, 0.4707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

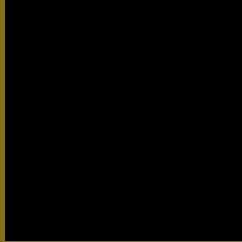
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.6290, 0.4416, 0.4707

Background



This preview shows how black text looks on a background with the Yxy color 16.6290, 0.4416, 0.4707.



This preview shows how white text looks on a background with the Yxy color 16.6290, 0.4416, 0.4707.

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

16.6290, 0.4416, 0.4707

Protanopia

16.6817, 0.4313, 0.4776

Deuteranopia

16.6307, 0.4596, 0.4535



Tritanopia

16.5594, 0.3519, 0.3146

Trichromacy



Original Color

16.6290, 0.4416, 0.4707

Protanomaly

16.6140, 0.4355, 0.4743

Deuteranomaly

16.4881, 0.4533, 0.4593

Tritanomaly

16.3983, 0.3945, 0.3809

Monochromacy



Original Color

16.6290, 0.4416, 0.4707

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.2410, 0.3676, 0.3970

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6290, 0.4416, 0.4707 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(133, 112, 21)` looks like.

```
.text, #text, p{  
    color:rgb(133, 112, 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(133, 112, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 112, 21) }
```

Border

The CSS property to change the border of an element to Yxy 16.6290, 0.4416, 0.4707 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(133, 112, 21) }
```

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

```
.border{ border-color:rgb(133, 112, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 112, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 112, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 112, 21);  
box-shadow:4px 4px 4px 4px rgb(133, 112,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6290, 0.4416, 0.4707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 112, 21) }
```

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

```
.background{ background-color: rgb(133,  
112, 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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