

Converting Colors

$Y_{xy}(16.7491, 0.3872, 0.4958)$

Have a look what the booklet for
Yxy(16.7491, 0.3872, 0.4958)
contains.

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Color

Yxy(16.6685, 0.3875, 0.4947)

Conversions

Conversions Part 1

Format	Color
Hex	6B7821
RGB	107, 120, 33
RGB Percent	42%, 47%, 13%
CMY	0.5803, 0.5294, 0.8705
CMYK	0.11, 0.00, 0.72, 0.53
HSL	69°, 57%, 30%
HSV	69°, 72%, 47%
XYZ	13.0565, 16.6685, 3.9692
YIQ	106.1950, 20.1790, -29.8130

Conversions

Conversions Part 2

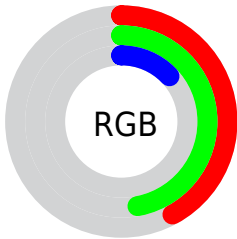
Format	Color
RYB	33, 120, 46
Decimal	7043105
CIELab	47.84, -17.18, 43.75
CIELCh	48, 47.007, 111.441
Yxy	16.6685, 0.3875, 0.4947
Android (android.graphics.Color)	4285233185 (0xFF6B7821)
YUV	106.1950, -36.0851, 0.7060
Hunter-Lab	40.8271, -14.3631, 22.8148

Details

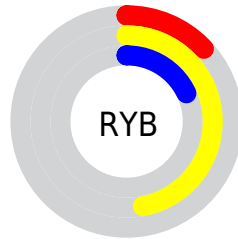
The Yxy color **16.6685, 0.3875, 0.4947** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.0254, 0.1934, 0.1156**, and the grayscale version is **14.5680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7066, 0.3757, 0.4568**, and **5.5046, 0.3865, 0.5313** is the 20% darker color. If you saturate the color by 10%, you get **16.5037, 0.3917, 0.5088**, and if you desaturate by 10%, it is **16.8611, 0.3810, 0.4768**.

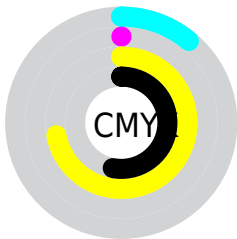
Distribution



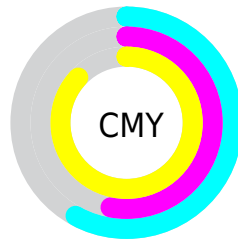
- Red (42%)
- Green (47%)
- Blue (13%)



- Red (13%)
- Yellow (47%)
- Blue (18%)



- Cyan (11%)
- Magenta (0%)
- Yellow (72%)
- Black (53%)




- Cyan (58%)
- Magenta (53%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6685, 0.3875, 0.4947 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 16.6685, 0.3875, 0.4947 by changing the saturation by 10% instead.


 16.6685, 0.3875,
0.4947


 16.6685, 0.3875,
0.4947


 233.2547, 0.3496,
0.3980

 9.9984, 0.3939,
0.5221


 37.7549, 0.3749,
0.4565


 5.3979, 0.4036,
0.5653

 52.9401, 0.3697,
0.4430

 2.4826, 0.3949,
0.6051

 71.7324, 0.3651,
0.4320

 0.8679, 0.3184,
0.6816

 94.5162, 0.3611,
0.4228

 0.0000, 0.0000,
0.0000

 121.6759, 0.3577,
0.4151

 153.5960, 0.3547,

0.4086

190.6608, 0.3520,
0.4029

16.6685, 0.3875,
0.4947

16.6685, 0.3875,
0.4947

16.5037, 0.3917,
0.5088

16.8611, 0.3810,
0.4768

16.3617, 0.3935,
0.5189

17.0815, 0.3725,
0.4558

16.2626, 0.3942,
0.5252

17.3326, 0.3625,
0.4326

17.6162, 0.3513,
0.4081

17.9339, 0.3395,
0.3831

■ 18.2874, 0.3275,
0.3585

■ 18.6781, 0.3156,
0.3347

■ 19.1074, 0.3041,
0.3122

■ 19.5765, 0.2932,
0.2912

Harmonies

Analogous

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



16.6685, 0.4586, 0.4475



16.6685, 0.3875, 0.4947



16.6685, 0.3018, 0.4882

Triad

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



16.6685, 0.3875, 0.4947



16.6685, 0.1591, 0.2346



16.6685, 0.3966, 0.2612

Complementary

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



16.6685, 0.3875, 0.4947



3.0254, 0.1934, 0.1156

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.



16.6685, 0.3013, 0.2176



16.6685, 0.3875, 0.4947



16.6685, 0.1755, 0.1995

Square

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



16.6685, 0.3875, 0.4947



16.6685, 0.1741, 0.3079



16.6685, 0.2230, 0.1956



16.6685, 0.4721, 0.3191

Rectangle

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



16.6685, 0.3875, 0.4947



16.6685, 0.2473, 0.4421



16.6685, 0.2230, 0.1956



16.6685, 0.3648, 0.2447

Sweetspot

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



16.6693, 0.3875, 0.4947



31.5411, 0.3396, 0.3833



5.9503, 0.5258, 0.3498



7.4456, 0.3421, 0.3886



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



16.6693, 0.3875, 0.4947



28.8584, 0.3932, 0.5159



14.6629, 0.3319, 0.5310



4.6051, 0.3234, 0.3503



17.7378, 0.3941, 0.5253



84.3190, 0.3927, 0.5264

Inverse Universe

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



3.0254, 0.1934, 0.1156



3.3526, 0.1693, 0.0799



4.5246, 0.2594, 0.1473



3.9196, 0.3015, 0.3071



1.6142, 0.1580, 0.0644



7.4625, 0.1551, 0.0628

Previews

White Background



This preview shows how the Yxy color 16.6685, 0.3875, 0.4947 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 16.6685, 0.3875, 0.4947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

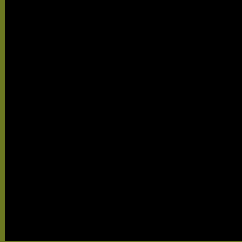
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.6685, 0.3875, 0.4947

Background



This preview shows how black text looks on a background with the Yxy color 16.6685, 0.3875, 0.4947.



This preview shows how white text looks on a background with the Yxy color 16.6685, 0.3875, 0.4947.

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

16.6685, 0.3875, 0.4947

Protanopia

16.6456, 0.4244, 0.4705

Deuteranopia

16.6158, 0.4482, 0.4415



Tritanopia

16.6818, 0.3070, 0.3114

Trichromacy



Original Color

16.6685, 0.3875, 0.4947

Protanomaly

16.5881, 0.4112, 0.4786

Deuteranomaly

16.3828, 0.4262, 0.4604

Tritanomaly

16.4934, 0.3421, 0.3827

Monochromacy



Original Color

16.6685, 0.3875, 0.4947

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.9976, 0.3464, 0.3984

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6685, 0.3875, 0.4947 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(107, 120, 33)` looks like.

```
.text, #text, p{  
    color:rgb(107, 120, 33)  
}
```

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(107, 120, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 120, 33) }
```

Border

The CSS property to change the border of an element to Yxy 16.6685, 0.3875, 0.4947 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(107, 120, 33) }
```

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

```
.border{ border-color:rgb(107, 120, 33) }
```

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

Here you see how a box with a 4 pixel rgb(107, 120, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 120, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 120, 33);  
box-shadow:4px 4px 4px 4px rgb(107, 120,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6685, 0.3875, 0.4947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 120, 33) }
```

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

```
.background{ background-color: rgb(107,  
120, 33) }
```

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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