

Converting Colors

$Y_{xy}(17.0362, 0.3461, 0.5490)$

Have a look what the booklet for
Yxy(17.0362, 0.3461, 0.5490)
contains.

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Color

Yxy(16.9747, 0.3466, 0.5487)

Conversions

Conversions Part 1

Format	Color
Hex	4B8011
RGB	75, 128, 17
RGB Percent	29%, 50%, 7%
CMY	0.7058, 0.4980, 0.9336
CMYK	0.41, 0.00, 0.87, 0.50
HSL	89°, 77%, 28%
HSV	89°, 87%, 50%
XYZ	10.7225, 16.9747, 3.2390
YIQ	99.4990, 4.0430, -45.7570

Conversions

Conversions Part 2

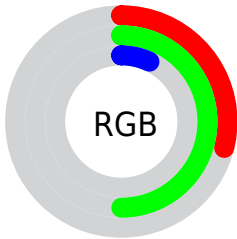
Format	Color
RYB	17, 128, 70
Decimal	4947985
CIELab	48.23, -35.25, 48.77
CIElCh	48, 60.174, 125.860
Yxy	16.9747, 0.3466, 0.5487
Android (android.graphics.Color)	4283138065 (0xFF4B8011)
YUV	99.4990, -40.6720, -21.4856
Hunter-Lab	41.2004, -25.6456, 24.1791

Details

The Yxy color **16.9747, 0.3466, 0.5487** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **3.2571, 0.2164, 0.1065**, and the grayscale version is **12.7140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1959, 0.3467, 0.4945**, and **5.5975, 0.3161, 0.5872** is the 20% darker color. If you saturate the color by 10%, you get **16.7096, 0.3430, 0.5625**, and if you desaturate by 10%, it is **17.2858, 0.3484, 0.5304**.

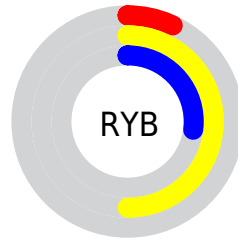
Distribution



Red (29%)

Green (50%)

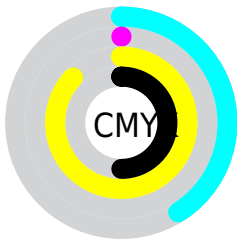
Blue (7%)



Red (7%)

Yellow (50%)

Blue (27%)

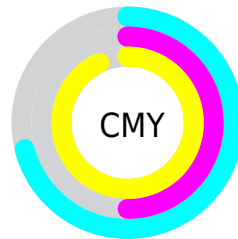


Cyan (41%)

Magenta (0%)

Yellow (87%)

Black (50%)



Cyan (71%)


Magenta (50%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9747, 0.3466, 0.5487 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 16.9747, 0.3466, 0.5487 by changing the saturation by 10% instead.


 16.9747, 0.3466,
0.5487

 16.9747, 0.3466,
0.5487


235.0265, 0.3363,
0.4167


 10.2165, 0.3421,
0.5878


 38.2823, 0.3466,
0.4954


 5.5427, 0.3398,
0.6602

 53.6004, 0.3452,
0.4769


 2.5691, 0.2953,
0.7047

 72.5406, 0.3436,
0.4619

 0.9111, 0.0058,
0.9942


 95.4872, 0.3419,
0.4496


 0.0000, 0.0000,
0.0000

 122.8248, 0.3404,
0.4393


 154.9376, 0.3389,


0.4306

 192.2100, 0.3376,
0.4231

 16.9747, 0.3466,
0.5487


 16.9747, 0.3466,
0.5487


 16.7096, 0.3430,
0.5625


 17.2858, 0.3484,
0.5304

 16.6296, 0.3418,
0.5668

 17.6470, 0.3481,
0.5077

 18.0625, 0.3458,
0.4818

 18.5355, 0.3419,
0.4540

 19.0686, 0.3367,
0.4254

■ 19.6645, 0.3307,
0.3973

■ 20.3257, 0.3241,
0.3703

■ 21.0543, 0.3173,
0.3450

■ 21.8526, 0.3105,
0.3217

Harmonies

Analogous

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



16.9747, 0.4456, 0.5015



16.9747, 0.3466, 0.5487



16.9747, 0.2446, 0.4995

Triad

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



16.9747, 0.3466, 0.5487



16.9747, 0.1340, 0.1865



16.9747, 0.4714, 0.2757

Complementary

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



16.9747, 0.3466, 0.5487



3.2571, 0.2164, 0.1065

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.



16.9747, 0.3538, 0.2163



16.9747, 0.3466, 0.5487



16.9747, 0.1693, 0.1668

Square

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



16.9747, 0.3466, 0.5487



16.9747, 0.1320, 0.2484



16.9747, 0.2425, 0.1781



16.9747, 0.5349, 0.3459

Rectangle

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



16.9747, 0.3466, 0.5487



16.9747, 0.1885, 0.4128



16.9747, 0.2425, 0.1781



16.9747, 0.4352, 0.2542

Sweetspot

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



16.9754, 0.3466, 0.5487



34.6400, 0.3306, 0.3969



8.8576, 0.5141, 0.4096



8.0365, 0.3324, 0.4049



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



16.9754, 0.3466, 0.5487



29.1920, 0.3403, 0.5680



15.6346, 0.3022, 0.5818



4.9207, 0.3189, 0.3508



16.4899, 0.3419, 0.5668



0.0000, 0.0000, 0.0000

Inverse Universe

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



3.2571, 0.2164, 0.1065



4.4097, 0.1987, 0.0868



6.2651, 0.3137, 0.1578



4.3045, 0.3061, 0.3072



2.5321, 0.2010, 0.0881



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.9747, 0.3466, 0.5487 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 16.9747, 0.3466, 0.5487 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 16.9747, 0.3466, 0.5487

Background



This preview shows how black text looks on a background with the Yxy color 16.9747, 0.3466, 0.5487.



This preview shows how white text looks on a background with the Yxy color 16.9747, 0.3466, 0.5487.

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

16.9747, 0.3466, 0.5487

Protanopia

16.7283, 0.4369, 0.4829

Deuteranopia

16.6585, 0.4558, 0.4486



Tritanopia

16.9523, 0.2687, 0.3083

Trichromacy



Original Color

16.9747, 0.3466, 0.5487

Protanomaly

16.4766, 0.4011, 0.5090

Deuteranomaly

16.1832, 0.4140, 0.4863

Tritanomaly

16.5549, 0.3056, 0.4058

Monochromacy



Original Color

16.9747, 0.3466, 0.5487

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

13.7552, 0.3361, 0.4254

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9747, 0.3466, 0.5487 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(75, 128, 17)` looks like.

```
.text, #text, p{  
    color:rgb(75, 128, 17)  
}
```

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(75, 128, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 128, 17) }
```

Border

The CSS property to change the border of an element to Yxy 16.9747, 0.3466, 0.5487 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(75, 128, 17) }
```

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

```
.border{ border-color:rgb(75, 128, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 128, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 128, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 128, 17);  
box-shadow:4px 4px 4px 4px rgb(75, 128,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9747, 0.3466, 0.5487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 128, 17) }
```

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

```
.background{ background-color: rgb(75, 128,  
17) }
```

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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