

Converting Colors

$Y_{xy}(16.9713, 0.3588, 0.4670)$

Have a look what the booklet for
Yxy(16.9713, 0.3588, 0.4670)
contains.

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Color

Yxy(16.9713, 0.3588, 0.4670)

Conversions

Conversions Part 1

Format	Color
Hex	657A38
RGB	101, 122, 56
RGB Percent	40%, 48%, 22%
CMY	0.6040, 0.5215, 0.7804
CMYK	0.17, 0.00, 0.54, 0.52
HSL	79°, 37%, 35%
HSV	79°, 54%, 48%
XYZ	13.0392, 16.9713, 6.3306
YIQ	108.1970, 8.6700, -24.9780

Conversions

Conversions Part 2

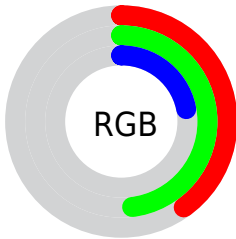
Format	Color
RYB	56, 122, 77
Decimal	6650424
CIELab	48.22, -18.95, 33.25
CIELCh	48, 38.273, 119.684
Yxy	16.9713, 0.3588, 0.4670
Android (android.graphics.Color)	4284840504 (0xFF657A38)
YUV	108.1970, -25.7331, -6.3118
Hunter-Lab	41.1962, -15.5956, 19.7263

Details

The Yxy color **16.9713, 0.3588, 0.4670** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.8132, 0.2427, 0.1766**, and the grayscale version is **15.1262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0643, 0.3504, 0.4327**, and **5.5105, 0.3686, 0.5293** is the 20% darker color. If you saturate the color by 10%, you get **16.6479, 0.3641, 0.4907**, and if you desaturate by 10%, it is **17.3360, 0.3519, 0.4414**.

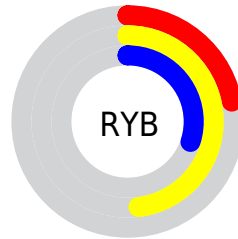
Distribution



Red (40%)

Green (48%)

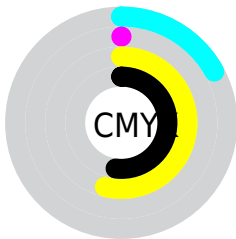
Blue (22%)



Red (22%)

Yellow (48%)

Blue (30%)

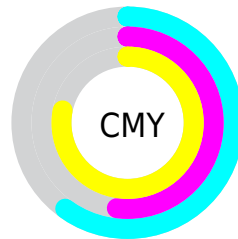


Cyan (17%)

Magenta (0%)

Yellow (54%)

Black (52%)



Cyan (60%)


Magenta (52%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9713, 0.3588, 0.4670 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 16.9713, 0.3588, 0.4670 by changing the saturation by 10% instead.


 16.9713, 0.3588,
0.4670


 16.9713, 0.3588,
0.4670


 235.0069, 0.3351,
0.3845


 10.2140, 0.3635,
0.4929


 38.2764, 0.3506,
0.4332


 5.5411, 0.3674,
0.5292

 53.5931, 0.3473,
0.4217

 2.5681, 0.3862,
0.6138

 72.5316, 0.3445,
0.4125

 0.9107, 0.3066,
0.6934

 95.4765, 0.3420,
0.4048

 0.0000, 0.0000,
0.0000

 122.8121, 0.3399,
0.3985

 154.9227, 0.3381,

0.3931

192.1929, 0.3365,
0.3885

■ 16.9713, 0.3588,
0.4670

■ 16.9713, 0.3588,
0.4670

■ 16.6479, 0.3641,
0.4907

■ 17.3360, 0.3519,
0.4414

■ 16.3611, 0.3674,
0.5114

■ 17.7416, 0.3438,
0.4149

■ 16.1091, 0.3684,
0.5283

■ 18.1910, 0.3349,
0.3885

■ 15.8885, 0.3671,
0.5408

■ 18.6859, 0.3257,
0.3629

■ 15.7663, 0.3661,
0.5475

■ 19.2279, 0.3165,
0.3385

■ 19.8186, 0.3074,
0.3158

■ 20.4595, 0.2987,
0.2948

■ 21.1520, 0.2904,
0.2756

■ 21.8975, 0.2826,
0.2582

Harmonies

Analogous

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



16.9713, 0.4219, 0.4429



16.9713, 0.3588, 0.4670



16.9713, 0.2870, 0.4421

Triad

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



16.9713, 0.3588, 0.4670



16.9713, 0.1844, 0.2411



16.9713, 0.4009, 0.2860

Complementary

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



16.9713, 0.3588, 0.4670



5.8132, 0.2427, 0.1766

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.



16.9713, 0.3254, 0.2441



16.9713, 0.3588, 0.4670



16.9713, 0.2061, 0.2173

Square

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



16.9713, 0.3588, 0.4670



16.9713, 0.1906, 0.2944



16.9713, 0.2546, 0.2196



16.9713, 0.4519, 0.3383

Rectangle

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



16.9713, 0.3588, 0.4670



16.9713, 0.2440, 0.3981



16.9713, 0.2546, 0.2196



16.9713, 0.3769, 0.2705

Sweetspot

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



16.9721, 0.3588, 0.4670



32.6641, 0.3278, 0.3686



9.7183, 0.4359, 0.3720



7.4361, 0.3293, 0.3727



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.



16.9721, 0.3588, 0.4670



29.1549, 0.3651, 0.4962



15.4389, 0.3176, 0.4871



4.5730, 0.3211, 0.3505



16.5932, 0.3659, 0.5476



78.6801, 0.3632, 0.5498

Inverse Universe

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



5.8132, 0.2427, 0.1766



7.3142, 0.2225, 0.1404



7.5433, 0.2973, 0.1977



3.9498, 0.3039, 0.3072



1.9264, 0.1755, 0.0741



8.7798, 0.1708, 0.0715

Previews

White Background



This preview shows how the Yxy color 16.9713, 0.3588, 0.4670 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 16.9713, 0.3588, 0.4670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

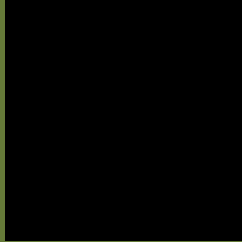
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9713, 0.3588, 0.4670

Background



This preview shows how black text looks on a background with the Yxy color 16.9713, 0.3588, 0.4670.



This preview shows how white text looks on a background with the Yxy color 16.9713, 0.3588, 0.4670.

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

16.9713, 0.3588, 0.4670

Protanopia

16.8130, 0.4044, 0.4405

Deuteranopia

16.8285, 0.4227, 0.4167



Tritanopia

16.9679, 0.2947, 0.3111

Trichromacy



Original Color

16.9713, 0.3588, 0.4670

Protanomaly

16.8500, 0.3875, 0.4497

Deuteranomaly

16.7757, 0.3987, 0.4347

Tritanomaly

16.9219, 0.3197, 0.3687

Monochromacy



Original Color

16.9713, 0.3588, 0.4670

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.5348, 0.3317, 0.3807

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9713, 0.3588, 0.4670 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(101, 122, 56)` looks like.

```
.text, #text, p{  
    color:rgb(101, 122, 56)  
}
```

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(101, 122, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 122, 56) }
```

Border

The CSS property to change the border of an element to Yxy 16.9713, 0.3588, 0.4670 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(101, 122, 56) }
```

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

```
.border{ border-color:rgb(101, 122, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 122, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 122, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 122, 56);  
box-shadow:4px 4px 4px 4px rgb(101, 122,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9713, 0.3588, 0.4670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 122, 56) }
```

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

```
.background{ background-color: rgb(101,  
122, 56) }
```

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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