

Converting Colors

$Y_{xy}(16.5193, 0.3512, 0.3814)$

Have a look what the booklet for
Yxy(16.5193, 0.3512, 0.3814)
contains.

Yxy(16.5908, 0.3508, 0.3816)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.5908, 0.3508, 0.3816)

Conversions

Conversions Part 1

Format	Color
Hex	767258
RGB	118, 114, 88
RGB Percent	46%, 45%, 35%
CMY	0.5372, 0.5529, 0.6548
CMYK	0.00, 0.03, 0.25, 0.54
HSL	52°, 15%, 40%
HSV	52°, 25%, 46%
XYZ	15.2517, 16.5908, 11.6344
YIQ	112.2320, 10.7300, -7.2380

Conversions

Conversions Part 2

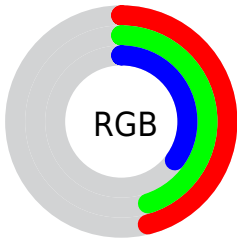
Format	Color
R_{YB}	93, 118, 88
Decimal	7762520
CIE _{Lab}	47.74, -3.04, 14.99
CIE _{LCh}	48, 15.296, 101.456
Yxy	16.5908, 0.3508, 0.3816
Android (android.graphics.Color)	4285952600 (0xFF767258)
YUV	112.2320, -11.9464, 5.0585
Hunter-Lab	40.7318, -4.4427, 11.5770

Details

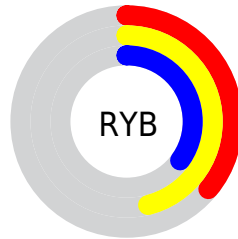
The Yxy color **16.5908, 0.3508, 0.3816** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **11.0434, 0.2723, 0.2703**, and the grayscale version is **16.3095, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6535, 0.3414, 0.3694**, and **5.3288, 0.3676, 0.4063** is the 20% darker color. If you saturate the color by 10%, you get **16.0583, 0.3667, 0.4026**, and if you desaturate by 10%, it is **17.1626, 0.3353, 0.3605**.

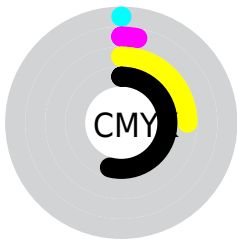
Distribution



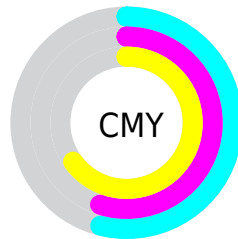
- Red (46%)
- Green (45%)
- Blue (35%)



- Red (36%)
- Yellow (46%)
- Blue (35%)



- Cyan (0%)
- Magenta (3%)
- Yellow (25%)
- Black (54%)




- Cyan (54%)
- Magenta (55%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5908, 0.3508, 0.3816 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 16.5908, 0.3508, 0.3816 by changing the saturation by 10% instead.


 16.5908, 0.3508,
0.3816


 16.5908, 0.3508,
0.3816


232.8031, 0.3287,
0.3507


 9.9432, 0.3576,
0.3914


 37.6209, 0.3419,
0.3690


 5.3613, 0.3672,
0.4056

 52.7721, 0.3388,
0.3647


 2.4608, 0.3817,
0.4278

 71.5267, 0.3364,
0.3612

 0.8569, 0.4635,
0.5365

 94.2689, 0.3343,
0.3583

 0.0000, 0.0000,
0.0000

 121.3833, 0.3326,
0.3560

153.2542, 0.3311,

0.3539

190.2660, 0.3298,
0.3522

■ 16.5908, 0.3508,
0.3816

■ 16.5908, 0.3508,
0.3816

■ 16.0583, 0.3667,
0.4026

■ 17.1626, 0.3353,
0.3605

■ 15.5614, 0.3824,
0.4227

■ 17.7729, 0.3204,
0.3399

■ 15.0990, 0.3975,
0.4412

■ 18.4238, 0.3064,
0.3200

■ 14.6694, 0.4114,
0.4572

■ 19.1167, 0.2934,
0.3013

■ 14.2705, 0.4234,
0.4699

■ 19.8527, 0.2815,
0.2838

■ 13.9000, 0.4332,
0.4787

■ 20.6330, 0.2705,
0.2676

■ 13.5538, 0.4406,
0.4837

■ 21.4588, 0.2606,
0.2527

■ 13.3987, 0.4439,
0.4857

■ 22.3311, 0.2517,
0.2391

■ 23.2509, 0.2435,
0.2267

Harmonies

Analogous

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



16.5908, 0.3691, 0.3685



16.5908, 0.3508, 0.3816



16.5908, 0.3227, 0.3800

Triad

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



16.5908, 0.3508, 0.3816



16.5908, 0.2570, 0.3072



16.5908, 0.3312, 0.2986

Complementary

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



16.5908, 0.3508, 0.3816



11.0434, 0.2723, 0.2703

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.



16.5908, 0.3005, 0.2836



16.5908, 0.3508, 0.3816



16.5908, 0.2589, 0.2873

Square

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



16.5908, 0.3508, 0.3816



16.5908, 0.2691, 0.3350



16.5908, 0.2744, 0.2793



16.5908, 0.3578, 0.3210

Rectangle

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



16.5908, 0.3508, 0.3816



16.5908, 0.3025, 0.3699



16.5908, 0.2744, 0.2793



16.5908, 0.3209, 0.2926

Sweetspot

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



16.5915, 0.3508, 0.3816



30.9382, 0.3245, 0.3455



11.6164, 0.3555, 0.3197



7.0819, 0.3263, 0.3481



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



16.5915, 0.3508, 0.3816



28.5639, 0.3609, 0.3950



16.8223, 0.3348, 0.3920



4.1868, 0.3257, 0.3472



14.4795, 0.4440, 0.4856



69.6543, 0.4455, 0.4844

Inverse Universe

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



11.0434, 0.2723, 0.2703



16.9077, 0.2608, 0.2530



10.9159, 0.2864, 0.2637



3.6617, 0.2995, 0.3101



1.7969, 0.1540, 0.0742



8.0080, 0.1524, 0.0686

Previews

White Background



This preview shows how the Yxy color 16.5908, 0.3508, 0.3816 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 16.5908, 0.3508, 0.3816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

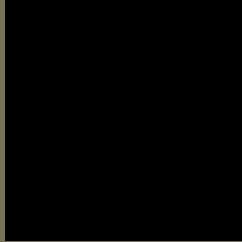
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

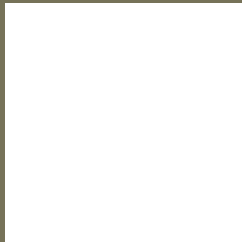
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.5908, 0.3508, 0.3816

Background



This preview shows how black text looks on a background with the Yxy color 16.5908, 0.3508, 0.3816.



This preview shows how white text looks on a background with the Yxy color 16.5908, 0.3508, 0.3816.

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

16.5908, 0.3508, 0.3816

Protanopia

16.5798, 0.3555, 0.3790

Deuteranopia

16.5641, 0.3721, 0.3672



Tritanopia

16.6213, 0.3175, 0.3117

Trichromacy



Original Color

16.5908, 0.3508, 0.3816

Protanomaly

16.5079, 0.3541, 0.3793

Deuteranomaly

16.6022, 0.3638, 0.3719

Tritanomaly

16.5165, 0.3301, 0.3350

Monochromacy



Original Color

16.5908, 0.3508, 0.3816

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.3669, 0.3265, 0.3494

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5908, 0.3508, 0.3816 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(118, 114, 88)` looks like.

```
.text, #text, p{  
    color:rgb(118, 114, 88)  
}
```

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(118, 114, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 114, 88) }
```

Border

The CSS property to change the border of an element to Yxy 16.5908, 0.3508, 0.3816 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(118, 114, 88) }
```

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

```
.border{ border-color:rgb(118, 114, 88) }
```

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

Here you see how a box with a 4 pixel rgb(118, 114, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 114, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 114, 88);  
box-shadow:4px 4px 4px 4px rgb(118, 114,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5908, 0.3508, 0.3816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 114, 88) }
```

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

```
.background{ background-color: rgb(118,  
114, 88) }
```

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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