

Converting Colors

$Y_{xy}(16.5159, 0.3155, 0.3210)$

Have a look what the booklet for
Yxy(16.5159, 0.3155, 0.3210)
contains.

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Color

Yxy(16.3886, 0.3158, 0.3211)

Conversions

Conversions Part 1

Format	Color
Hex	756F73
RGB	117, 111, 115
RGB Percent	46%, 44%, 45%
CMY	0.5410, 0.5647, 0.5490
CMYK	0.00, 0.05, 0.02, 0.54
HSL	320°, 3%, 45%
HSV	320°, 5%, 46%
XYZ	16.1181, 16.3886, 18.5322
YIQ	113.2500, 2.2920, 2.5160

Conversions

Conversions Part 2

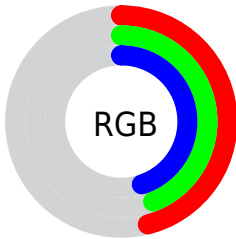
Format	Color
R_{YB}	117, 111, 115
Decimal	7696243
CIE Lab	47.48, 3.13, -1.39
CIE LCh	47, 3.427, 336.096
Yxy	16.3886, 0.3158, 0.3211
Android (android.graphics.Color)	4285886323 (0xFF756F73)
YUV	113.2500, 0.8628, 3.2888
Hunter-Lab	40.4828, 0.2242, 1.1962

Details

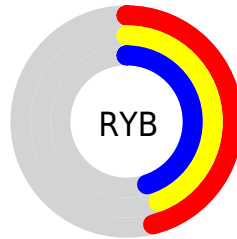
The Yxy color **16.3886, 0.3158, 0.3211** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.3022, 0.3098, 0.3370**, and the grayscale version is **16.5899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4194, 0.3149, 0.3234**, and **5.2255, 0.3176, 0.3165** is the 20% darker color. If you saturate the color by 10%, you get **13.9117, 0.3226, 0.3052**, and if you desaturate by 10%, it is **19.2054, 0.3101, 0.3362**.

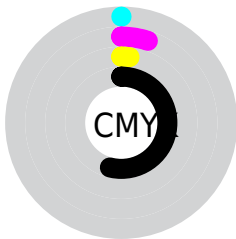
Distribution



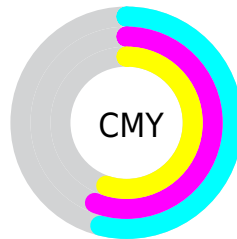
- Red (46%)
- Green (44%)
- Blue (45%)



- Red (46%)
- Yellow (44%)
- Blue (45%)



- Cyan (0%)
- Magenta (5%)
- Yellow (2%)
- Black (54%)





- Cyan (54%)
- Magenta (56%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3886, 0.3158, 0.3211 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 16.3886, 0.3158, 0.3211 by changing the saturation by 10% instead.


 16.3886, 0.3158,
0.3211


 16.3886, 0.3158,
0.3211


231.6240, 0.3140,
0.3257


 9.7996, 0.3164,
0.3196


 37.2715, 0.3151,
0.3230


 5.2663, 0.3172,
0.3175

 52.3342, 0.3148,
0.3236

 2.4043, 0.3185,
0.3142

 70.9902, 0.3146,
0.3241

 0.8281, 0.3210,
0.3077

 93.6239, 0.3145,
0.3246

 0.0000, 0.0000,
0.0000

120.6198, 0.3143,
0.3249

152.3621, 0.3142,

0.3252

189.2354, 0.3141,
0.3255

■ 16.3886, 0.3158,
0.3211

■ 16.3886, 0.3158,
0.3211

■ 13.9117, 0.3226,
0.3052

■ 19.2054, 0.3101,
0.3362

■ 11.7597, 0.3305,
0.2888

■ 22.3724, 0.3052,
0.3504

■ 9.9195, 0.3396,
0.2723

■ 25.9017, 0.3011,
0.3635

■ 8.3763, 0.3501,
0.2562

■ 29.8046, 0.2977,
0.3757

■ 7.1141, 0.3618,
0.2413

■ 34.0916, 0.2949,
0.3870

■ 6.1154, 0.3747,
0.2285

■ 38.7730, 0.2925,
0.3973

■ 5.3607, 0.3883,
0.2187

■ 43.8586, 0.2905,
0.4067

■ 4.8278, 0.4024,
0.2129

■ 49.3578, 0.2888,
0.4154

■ 4.4788, 0.4166,
0.2113

■ 55.2798, 0.2874,
0.4234

Harmonies

Analogous

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



16.3886, 0.3089, 0.3179



16.3886, 0.3158, 0.3211



16.3886, 0.3219, 0.3263

Triad

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



16.3886, 0.3158, 0.3211



16.3886, 0.3223, 0.3405



16.3886, 0.3001, 0.3255

Complementary

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



16.3886, 0.3158, 0.3211



17.3022, 0.3098, 0.3370

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.



16.3886, 0.3036, 0.3317



16.3886, 0.3158, 0.3211



16.3886, 0.3164, 0.3404

Square

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



16.3886, 0.3158, 0.3211



16.3886, 0.3257, 0.3375



16.3886, 0.3096, 0.3371



16.3886, 0.2999, 0.3204

Rectangle

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



16.3886, 0.3158, 0.3211



16.3886, 0.3247, 0.3303



16.3886, 0.3096, 0.3371



16.3886, 0.3009, 0.3275

Sweetspot

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



16.3893, 0.3158, 0.3211



30.8318, 0.3139, 0.3259



16.1637, 0.3080, 0.3169



7.1067, 0.3138, 0.3261



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.



16.3893, 0.3158, 0.3211



28.8633, 0.3164, 0.3196



16.3214, 0.3196, 0.3270



3.9065, 0.3165, 0.3193



4.7630, 0.4243, 0.2111



23.0459, 0.4313, 0.2150

Inverse Universe

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



16.3893, 0.3158, 0.3211



28.8633, 0.3164, 0.3196



17.3709, 0.3063, 0.3310



3.9065, 0.3165, 0.3193



4.7630, 0.4243, 0.2111



23.0459, 0.4313, 0.2150

Previews

White Background



This preview shows how the Yxy color 16.3886, 0.3158, 0.3211 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 16.3886, 0.3158, 0.3211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

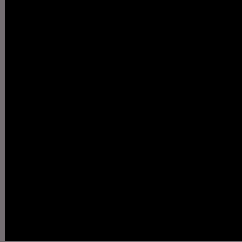
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

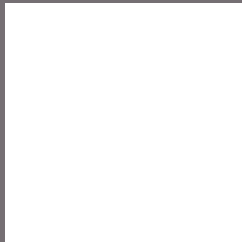
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.3886, 0.3158, 0.3211

Background



This preview shows how black text looks on a background with the Yxy color 16.3886, 0.3158, 0.3211.



This preview shows how white text looks on a background with the Yxy color 16.3886, 0.3158, 0.3211.

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

16.3886, 0.3158, 0.3211

Protanopia

16.4267, 0.3105, 0.3210

Deuteranopia

16.3127, 0.3228, 0.3174



Tritanopia

16.3353, 0.3122, 0.3114

Trichromacy



Original Color

16.3886, 0.3158, 0.3211

Protanomaly

16.4941, 0.3118, 0.3211

Deuteranomaly

16.3827, 0.3199, 0.3193

Tritanomaly

16.3114, 0.3135, 0.3133

Monochromacy



Original Color

16.3886, 0.3158, 0.3211

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.3807, 0.3129, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3886, 0.3158, 0.3211 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(117, 111, 115)` looks like.

```
.text, #text, p{  
    color:rgb(117, 111, 115)  
}
```

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(117, 111, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 111, 115) }
```

Border

The CSS property to change the border of an element to Yxy 16.3886, 0.3158, 0.3211 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(117, 111, 115) }
```

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

```
.border{ border-color:rgb(117, 111, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 111, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 111, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 111, 115);  
box-shadow:4px 4px 4px 4px rgb(117, 111,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3886, 0.3158, 0.3211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 111, 115) }
```

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

```
.background{ background-color: rgb(117,  
111, 115) }
```

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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