

Converting Colors

$Y_{xy}(16.7788, 0.2818, 0.3600)$

Have a look what the booklet for
Yxy(16.7788, 0.2818, 0.3600)
contains.

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Color

Yxy(16.7956, 0.2816, 0.3598)

Conversions

Conversions Part 1

Format	Color
Hex	527A6C
RGB	82, 122, 108
RGB Percent	32%, 48%, 42%
CMY	0.6785, 0.5215, 0.5764
CMYK	0.33, 0.00, 0.11, 0.52
HSL	159°, 20%, 40%
HSV	159°, 33%, 48%
XYZ	13.1452, 16.7956, 16.7396
YIQ	108.4440, -19.3460, -12.8340

Conversions

Conversions Part 2

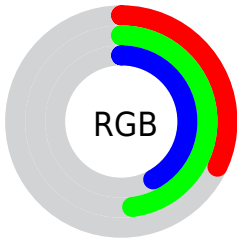
Format	Color
R_{YB}	82, 106, 122
Decimal	5405292
CIE _{Lab}	48.00, -17.30, 3.21
CIE _{LCh}	48, 17.592, 169.501
Yxy	16.7956, 0.2816, 0.3598
Android (android.graphics.Color)	4283595372 (0xFF527A6C)
YUV	108.4440, -0.2189, -23.1914
Hunter-Lab	40.9824, -14.4650, 4.4703

Details

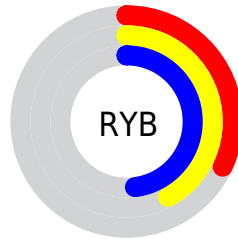
The Yxy color **16.7956, 0.2816, 0.3598** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.0138, 0.3588, 0.3004**, and the grayscale version is **15.1317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1497, 0.2896, 0.3535**, and **5.4421, 0.2663, 0.3731** is the 20% darker color. If you saturate the color by 10%, you get **16.2086, 0.2736, 0.3710**, and if you desaturate by 10%, it is **17.4857, 0.2905, 0.3494**.

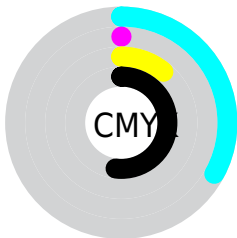
Distribution



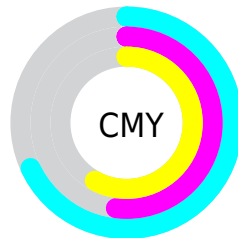
- Red (32%)
- Green (48%)
- Blue (42%)



- Red (32%)
- Yellow (42%)
- Blue (48%)



- Cyan (33%)
- Magenta (0%)
- Yellow (11%)
- Black (52%)



- Cyan (68%)
- Magenta (52%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.7956, 0.2816, 0.3598 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 16.7956, 0.2816, 0.3598 by changing the saturation by 10% instead.

■ 16.7956, 0.2816,
0.3598

■ 16.7956, 0.2816,
0.3598

■ 233.9917, 0.2999,
0.3415

■ 10.0889, 0.2757,
0.3657

■ 37.9740, 0.2891,
0.3523

■ 5.4579, 0.2672,
0.3745

■ 53.2145, 0.2916,
0.3497

■ 2.5184, 0.2535,
0.3888

■ 72.0683, 0.2937,
0.3477

■ 0.8858, 0.2051,
0.4330

■ 94.9199, 0.2954,
0.3460

■ 0.0000, 0.0000,
0.0000

■ 122.1536, 0.2968,
0.3446

154.1539, 0.2980,

0.3434

191.3051, 0.2990,
0.3424

■ 16.7956, 0.2816,
0.3598

■ 16.7956, 0.2816,
0.3598

■ 16.2086, 0.2736,
0.3710

■ 17.4857, 0.2905,
0.3494

■ 15.7174, 0.2669,
0.3828

■ 18.2816, 0.3000,
0.3399

■ 15.3170, 0.2615,
0.3953


■ 19.1886, 0.3099,
0.3313

■ 15.0011, 0.2579,
0.4081


■ 20.2109, 0.3200,
0.3235

■ 14.7625, 0.2560,
0.4210


■ 21.3526, 0.3301,
0.3165


 14.5926, 0.2560,
0.4339

 22.6174, 0.3402,
0.3104

 14.4899, 0.2565,
0.4432

 24.0090, 0.3500,
0.3049

 25.5310, 0.3595,
0.3001

 27.1867, 0.3686,
0.2959

Harmonies

Analogous

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



16.7956, 0.3145, 0.3841



16.7956, 0.2816, 0.3598



16.7956, 0.2578, 0.3267

Triad

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



16.7956, 0.2816, 0.3598



16.7956, 0.2759, 0.2725



16.7956, 0.3817, 0.3556

Complementary

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



16.7956, 0.2816, 0.3598



11.0138, 0.3588, 0.3004

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.



16.7956, 0.3705, 0.3272



16.7956, 0.2816, 0.3598



16.7956, 0.3078, 0.2810

Square

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



16.7956, 0.2816, 0.3598



16.7956, 0.2547, 0.2775



16.7956, 0.3428, 0.3006



16.7956, 0.3732, 0.3792

Rectangle

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



16.7956, 0.2816, 0.3598



16.7956, 0.2497, 0.3056



16.7956, 0.3428, 0.3006



16.7956, 0.3801, 0.3463

Sweetspot

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



16.7963, 0.2816, 0.3598



32.5501, 0.3025, 0.3376



17.0155, 0.3254, 0.4162



7.4032, 0.3014, 0.3386



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.



16.7963, 0.2816, 0.3598



28.7917, 0.2758, 0.3677



15.6894, 0.2665, 0.3159



4.4898, 0.3036, 0.3366



15.2527, 0.2565, 0.4435



72.5910, 0.2584, 0.4501

Inverse Universe

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



11.0138, 0.3588, 0.3004



17.0336, 0.3731, 0.2940



11.7239, 0.3799, 0.3416



4.0360, 0.3227, 0.3215



4.5357, 0.5496, 0.2801



21.4885, 0.5627, 0.2873

Previews

White Background



This preview shows how the Yxy color 16.7956, 0.2816, 0.3598 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 16.7956, 0.2816, 0.3598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

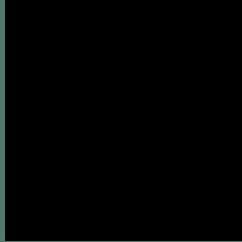
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7956, 0.2816, 0.3598

Background



This preview shows how black text looks on a background with the Yxy color 16.7956, 0.2816, 0.3598.

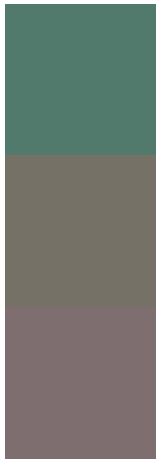


This preview shows how white text looks on a background with the Yxy color 16.7956, 0.2816, 0.3598.

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

16.7956, 0.2816, 0.3598

Protanopia

16.6411, 0.3319, 0.3490

Deuteranopia

16.7352, 0.3333, 0.3271



Tritanopia

16.8049, 0.2657, 0.3081

Trichromacy



Original Color

16.7956, 0.2816, 0.3598

Protanomaly

16.5140, 0.3116, 0.3520

Deuteranomaly

16.4754, 0.3123, 0.3372

Tritanomaly

16.7447, 0.2715, 0.3267

Monochromacy



Original Color

16.7956, 0.2816, 0.3598

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.5456, 0.3006, 0.3397

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7956, 0.2816, 0.3598 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(82, 122, 108)` looks like.

```
.text, #text, p{  
  color:rgb(82, 122, 108)  
}
```

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(82, 122, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 122, 108) }
```

Border

The CSS property to change the border of an element to Yxy 16.7956, 0.2816, 0.3598 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(82, 122, 108) }
```

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

```
.border{ border-color:rgb(82, 122, 108) }
```

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

Here you see how a box with a 4 pixel rgb(82, 122, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 122, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 122, 108);  
box-shadow:4px 4px 4px 4px rgb(82, 122,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7956, 0.2816, 0.3598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 122, 108) }
```

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

```
.background{ background-color: rgb(82, 122,  
108) }
```

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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