

Converting Colors

$Y_{xy}(16.4781, 0.2754, 0.3570)$

Have a look what the booklet for
Yxy(16.4781, 0.2754, 0.3570)
contains.

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Color

Yxy(16.6010, 0.2756, 0.3579)

Conversions

Conversions Part 1

Format	Color
Hex	4D7A6D
RGB	77, 122, 109
RGB Percent	30%, 48%, 43%
CMY	0.6978, 0.5216, 0.5725
CMYK	0.37, 0.00, 0.11, 0.52
HSL	163°, 23%, 39%
HSV	163°, 37%, 48%
XYZ	12.7836, 16.6010, 16.9999
YIQ	107.0630, -22.6470, -13.5830

Conversions

Conversions Part 2

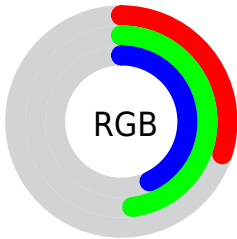
Format	Color
RYB	77, 103, 122
Decimal	5077613
CIELab	47.75, -18.62, 2.23
CIElCh	48, 18.754, 173.185
Yxy	16.6010, 0.2756, 0.3579
Android (android.graphics.Color)	4283267693 (0xFF4D7A6D)
YUV	107.0630, 0.9549, -26.3653
Hunter-Lab	40.7443, -15.2981, 3.7832

Details

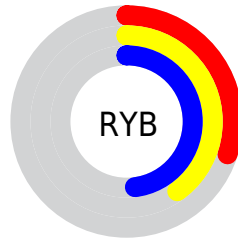
The Yxy color **16.6010, 0.2756, 0.3579** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.1907, 0.3717, 0.3023**, and the grayscale version is **14.7267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7872, 0.2850, 0.3522**, and **5.3598, 0.2576, 0.3700** is the 20% darker color. If you saturate the color by 10%, you get **16.0661, 0.2675, 0.3672**, and if you desaturate by 10%, it is **17.2355, 0.2848, 0.3492**.

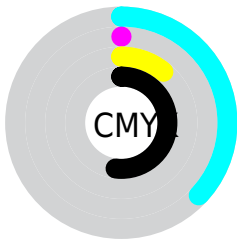
Distribution



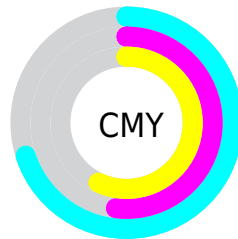
- Red (30%)
- Green (48%)
- Blue (43%)



- Red (30%)
- Yellow (40%)
- Blue (48%)



- Cyan (37%)
- Magenta (0%)
- Yellow (11%)
- Black (52%)





- Cyan (70%)
- Magenta (52%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6010, 0.2756, 0.3579 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 16.6010, 0.2756, 0.3579 by changing the saturation by 10% instead.


 16.6010, 0.2756,
0.3579

 16.6010, 0.2756,
0.3579


232.8624, 0.2974,
0.3408


 9.9504, 0.2687,
0.3634


 37.6385, 0.2845,
0.3509


 5.3661, 0.2586,
0.3716

 52.7942, 0.2875,
0.3485


 2.4636, 0.2425,
0.3848

 71.5537, 0.2900,
0.3466

 0.8583, 0.1808,
0.4295

 94.3014, 0.2920,
0.3450

 0.0000, 0.0000,
0.0000

 121.4218, 0.2936,
0.3437

153.2991, 0.2951,

0.3426

190.3179, 0.2963,
0.3416

■ 16.6010, 0.2756,
0.3579

■ 16.6010, 0.2756,
0.3579

■ 16.0661, 0.2675,
0.3672

■ 17.2355, 0.2848,
0.3492

■ 15.6234, 0.2608,
0.3771

■ 17.9725, 0.2947,
0.3411

■ 15.2678, 0.2556,
0.3873


■ 18.8174, 0.3053,
0.3337


■ 14.9925, 0.2522,
0.3977


■ 19.7744, 0.3162,
0.3270

■ 14.7901, 0.2506,
0.4083


■ 20.8476, 0.3272,
0.3209

 14.6446, 0.2506,
0.4187

 22.0410, 0.3382,
0.3156

 14.6014, 0.2506,
0.4221

 23.3581, 0.3490,
0.3108

 24.8027, 0.3596,
0.3066

 26.3780, 0.3698,
0.3029

Harmonies

Analogous

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



16.6010, 0.3099, 0.3860



16.6010, 0.2756, 0.3579



16.6010, 0.2520, 0.3220

Triad

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



16.6010, 0.2756, 0.3579



16.6010, 0.2770, 0.2692



16.6010, 0.3866, 0.3607

Complementary

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



16.6010, 0.2756, 0.3579



10.1907, 0.3717, 0.3023

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.



16.6010, 0.3772, 0.3306



16.6010, 0.2756, 0.3579



16.6010, 0.3120, 0.2799

Square

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



16.6010, 0.2756, 0.3579



16.6010, 0.2528, 0.2726



16.6010, 0.3492, 0.3018



16.6010, 0.3749, 0.3850

Rectangle

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



16.6010, 0.2756, 0.3579



16.6010, 0.2448, 0.3001



16.6010, 0.3492, 0.3018



16.6010, 0.3858, 0.3509

Sweetspot

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



16.6017, 0.2756, 0.3579



32.4275, 0.3006, 0.3369



16.6546, 0.3239, 0.4292



7.3790, 0.2995, 0.3376



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.



16.6017, 0.2756, 0.3579



28.4237, 0.2689, 0.3655



14.7963, 0.2607, 0.3090



4.4936, 0.3029, 0.3353



15.3732, 0.2507, 0.4223



73.1786, 0.2522, 0.4277

Inverse Universe

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



10.1907, 0.3717, 0.3023



15.4434, 0.3914, 0.2964



11.3355, 0.3897, 0.3479



4.0323, 0.3236, 0.3228



4.4843, 0.5719, 0.2924



21.2600, 0.5848, 0.2995

Previews

White Background



This preview shows how the Yxy color 16.6010, 0.2756, 0.3579 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 16.6010, 0.2756, 0.3579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

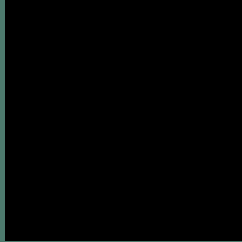
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.6010, 0.2756, 0.3579

Background



This preview shows how black text looks on a background with the Yxy color 16.6010, 0.2756, 0.3579.



This preview shows how white text looks on a background with the Yxy color 16.6010, 0.2756, 0.3579.

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

16.6010, 0.2756, 0.3579

Protanopia

16.3697, 0.3295, 0.3451

Deuteranopia

16.3922, 0.3294, 0.3233



Tritanopia

16.5725, 0.2608, 0.3078

Trichromacy



Original Color

16.6010, 0.2756, 0.3579

Protanomaly

16.3562, 0.3066, 0.3501

Deuteranomaly

16.3081, 0.3073, 0.3352

Tritanomaly

16.5436, 0.2656, 0.3246

Monochromacy



Original Color

16.6010, 0.2756, 0.3579

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.1578, 0.2968, 0.3376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6010, 0.2756, 0.3579 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(77, 122, 109)` looks like.

```
.text, #text, p{  
    color:rgb(77, 122, 109)  
}
```

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(77, 122, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 122, 109) }
```

Border

The CSS property to change the border of an element to Yxy 16.6010, 0.2756, 0.3579 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(77, 122, 109) }
```

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

```
.border{ border-color:rgb(77, 122, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 122, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 122, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 122, 109);  
box-shadow:4px 4px 4px 4px rgb(77, 122,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6010, 0.2756, 0.3579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 122, 109) }
```

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

```
.background{ background-color: rgb(77, 122,  
109) }
```

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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