

Converting Colors

$Y_{xy}(17.0207, 0.2552, 0.3230)$

Have a look what the booklet for
Yxy(17.0207, 0.2552, 0.3230)
contains.

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Color

Yxy(17.0119, 0.2548, 0.3224)

Conversions

Conversions Part 1

Format	Color
Hex	477B7E
RGB	71, 123, 126
RGB Percent	28%, 48%, 49%
CMY	0.7217, 0.5176, 0.5059
CMYK	0.44, 0.02, 0.00, 0.51
HSL	183°, 28%, 39%
HSV	183°, 44%, 49%
XYZ	13.4449, 17.0119, 22.3097
YIQ	107.7940, -31.9550, -10.0910

Conversions

Conversions Part 2

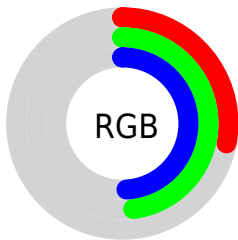
Format	Color
R_{YB}	71, 98, 126
Decimal	4684670
CIE Lab	48.28, -16.53, -7.09
CIE LCh	48, 17.982, 203.215
Yxy	17.0119, 0.2548, 0.3224
Android (android.graphics.Color)	4282874750 (0xFF477B7E)
YUV	107.7940, 8.9756, -32.2683
Hunter-Lab	41.2455, -13.9935, -3.1981

Details

The Yxy color **17.0119, 0.2548, 0.3224** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.7799, 0.4178, 0.3353**, and the grayscale version is **14.9148, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5163, 0.2680, 0.3243**, and **5.5526, 0.2303, 0.3181** is the 20% darker color. If you saturate the color by 10%, you get **16.4161, 0.2448, 0.3207**, and if you desaturate by 10%, it is **17.7090, 0.2663, 0.3241**.

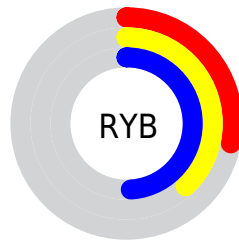
Distribution



Red (28%)

Green (48%)

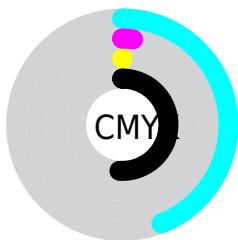
Blue (49%)



Red (28%)

Yellow (38%)

Blue (49%)

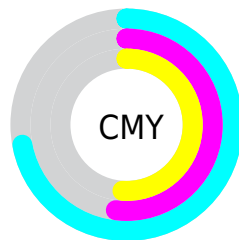


Cyan (44%)

Magenta (2%)

Yellow (0%)

Black (51%)



Cyan (72%)


Magenta (52%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.0119, 0.2548, 0.3224 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 17.0119, 0.2548, 0.3224 by changing the saturation by 10% instead.


 17.0119, 0.2548,
0.3224


 17.0119, 0.2548,
0.3224


235.2409, 0.2881,
0.3268


 10.2430, 0.2447,
0.3207


 38.3462, 0.2681,
0.3244


 5.5604, 0.2303,
0.3179

 53.6804, 0.2727,
0.3250


 2.5796, 0.2084,
0.3130

 72.6385, 0.2765,
0.3255

 0.9164, 0.1568,
0.3076

 95.6049, 0.2796,
0.3259

 0.0000, 0.0000,
0.0000

 122.9639, 0.2822,
0.3262

155.1000, 0.2845,

0.3264

192.3975, 0.2864,
0.3267

■ 17.0119, 0.2548,
0.3224

■ 17.0119, 0.2548,
0.3224

■ 16.4161, 0.2448,
0.3207

■ 17.7090, 0.2663,
0.3241

■ 15.9134, 0.2364,
0.3189

■ 18.5110, 0.2790,
0.3256

■ 15.4977, 0.2298,
0.3172

■ 19.4238, 0.2928,
0.3271

■ 15.1611, 0.2250,
0.3154

■ 20.4522, 0.3073,
0.3285

■ 14.8937, 0.2218,
0.3137

■ 21.6009, 0.3222,
0.3298

■ 14.7391, 0.2202,
0.3126

■ 22.8740, 0.3374,
0.3309

■ 24.2758, 0.3526,
0.3320

■ 25.8102, 0.3677,
0.3329

■ 27.4808, 0.3824,
0.3337

Harmonies

Analogous

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



17.0119, 0.2774, 0.3564



17.0119, 0.2548, 0.3224



17.0119, 0.2471, 0.2928

Triad

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



17.0119, 0.2548, 0.3224



17.0119, 0.3122, 0.2821



17.0119, 0.3719, 0.3824

Complementary

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



17.0119, 0.2548, 0.3224



9.7799, 0.4178, 0.3353

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.



17.0119, 0.3830, 0.3594



17.0119, 0.2548, 0.3224



17.0119, 0.3475, 0.3031

Square

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



17.0119, 0.2548, 0.3224



17.0119, 0.2788, 0.2719



17.0119, 0.3740, 0.3307



17.0119, 0.3448, 0.3921

Rectangle

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



17.0119, 0.2548, 0.3224



17.0119, 0.2510, 0.2795



17.0119, 0.3740, 0.3307



17.0119, 0.3776, 0.3758

Sweetspot

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



17.0126, 0.2548, 0.3224



34.2595, 0.2933, 0.3272



16.7479, 0.3041, 0.4515



7.7207, 0.2907, 0.3269



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



17.0126, 0.2548, 0.3224



28.9456, 0.2452, 0.3208



11.1605, 0.2446, 0.2595



4.8483, 0.2993, 0.3278



15.1217, 0.2202, 0.3126



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.3674, 0.3222, 0.2315



15.7938, 0.3246, 0.2125



14.2413, 0.3938, 0.3891



4.4085, 0.3145, 0.3089



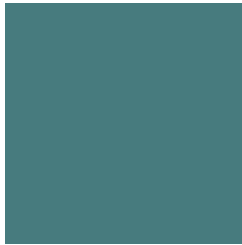
5.9211, 0.3345, 0.1616



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.0119, 0.2548, 0.3224 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 17.0119, 0.2548, 0.3224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

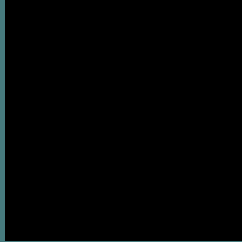
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.0119, 0.2548, 0.3224

Background



This preview shows how black text looks on a background with the Yxy color 17.0119, 0.2548, 0.3224.



This preview shows how white text looks on a background with the Yxy color 17.0119, 0.2548, 0.3224.

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

17.0119, 0.2548, 0.3224

Protanopia

16.7437, 0.3056, 0.3152

Deuteranopia

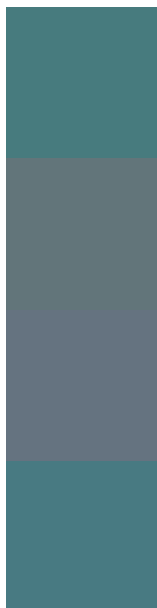
16.8054, 0.3001, 0.2947



Tritanopia

17.0015, 0.2511, 0.3077

Trichromacy



Original Color

17.0119, 0.2548, 0.3224

Protanomaly

16.7244, 0.2841, 0.3186

Deuteranomaly

16.5867, 0.2809, 0.3027

Tritanomaly

16.9085, 0.2519, 0.3118

Monochromacy



Original Color

17.0119, 0.2548, 0.3224

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.4810, 0.2877, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0119, 0.2548, 0.3224 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(71, 123, 126)` looks like.

```
.text, #text, p{  
    color:rgb(71, 123, 126)  
}
```

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(71, 123, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 123, 126) }
```

Border

The CSS property to change the border of an element to Yxy 17.0119, 0.2548, 0.3224 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(71, 123, 126) }
```

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

```
.border{ border-color:rgb(71, 123, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 123, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 123, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 123, 126);  
box-shadow:4px 4px 4px 4px rgb(71, 123,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 17.0119, 0.2548, 0.3224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 123, 126) }
```

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

```
.background{ background-color: rgb(71, 123,  
126) }
```

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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