

Converting Colors

$Y_{xy}(17.5884, 0.2945, 0.3721)$

Have a look what the booklet for
Yxy(17.5884, 0.2945, 0.3721)
contains.

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Color

Yxy(17.5884, 0.2945, 0.3721)

Conversions

Conversions Part 1

Format	Color
Hex	5A7C68
RGB	90, 124, 104
RGB Percent	35%, 49%, 41%
CMY	0.6472, 0.5137, 0.5921
CMYK	0.27, 0.00, 0.16, 0.51
HSL	145°, 16%, 42%
HSV	145°, 27%, 49%
XYZ	13.9204, 17.5884, 15.7591
YIQ	111.5540, -13.8440, -13.4280

Conversions

Conversions Part 2

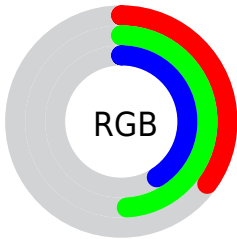
Format	Color
R_{YB}	90, 114, 124
Decimal	5930088
CIE _{Lab}	48.99, -16.59, 7.05
CIE _{LCh}	49, 18.021, 156.973
Yxy	17.5884, 0.2945, 0.3721
Android (android.graphics.Color)	4284120168 (0xFF5A7C68)
YUV	111.5540, -3.7241, -18.9029
Hunter-Lab	41.9385, -14.1440, 7.0777

Details

The Yxy color **17.5884, 0.2945, 0.3721** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.7174, 0.3365, 0.2896**, and the grayscale version is **16.0785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4736, 0.2993, 0.3621**, and **5.8412, 0.2859, 0.3929** is the 20% darker color. If you saturate the color by 10%, you get **16.8768, 0.2886, 0.3909**, and if you desaturate by 10%, it is **18.4180, 0.3009, 0.3550**.

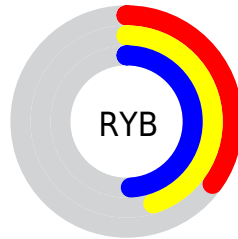
Distribution



Red (35%)

Green (49%)

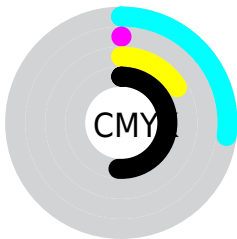
Blue (41%)



Red (35%)

Yellow (45%)

Blue (49%)

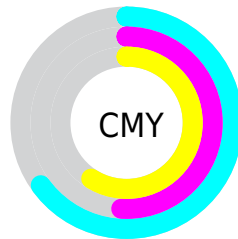


Cyan (27%)

Magenta (0%)

Yellow (16%)

Black (51%)



Cyan (65%)


Magenta (51%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.5884, 0.2945, 0.3721 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 17.5884, 0.2945, 0.3721 by changing the saturation by 10% instead.


 17.5884, 0.2945,
0.3721


 17.5884, 0.2945,
0.3721


238.5407, 0.3054,
0.3465

 10.6549, 0.2909,
0.3805


 39.3347, 0.2990,
0.3615


 5.8353, 0.2856,
0.3929

 54.9163, 0.3005,
0.3579

 2.7452, 0.2769,
0.4132

 74.1494, 0.3017,
0.3551

 1.0002, 0.2538,
0.4690

 97.4183, 0.3027,
0.3527

 0.0000, 0.0000,
0.0000

125.1075, 0.3036,
0.3508

157.6014, 0.3043,

0.3491

195.2843, 0.3049,
0.3477

■ 17.5884, 0.2945,
0.3721

■ 17.5884, 0.2945,
0.3721

■ 16.8768, 0.2886,
0.3909

■ 18.4180, 0.3009,
0.3550

■ 16.2756, 0.2834,
0.4111

■ 19.3685, 0.3076,
0.3395

■ 15.7795, 0.2793,
0.4324

■ 20.4455, 0.3144,
0.3256

■ 15.3821, 0.2766,
0.4544

■ 21.6534, 0.3212,
0.3133

■ 15.0761, 0.2755,
0.4764

■ 22.9966, 0.3278,
0.3025

■ 14.8532, 0.2761,
0.4978

■ 24.4791, 0.3341,
0.2930

■ 14.6950, 0.2781,
0.5179

■ 26.1049, 0.3402,
0.2846

■ 14.6579, 0.2786,
0.5229

■ 27.8778, 0.3460,
0.2773

■ 29.8014, 0.3515,
0.2709

Harmonies

Analogous

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



17.5884, 0.3292, 0.3898



17.5884, 0.2945, 0.3721



17.5884, 0.2658, 0.3409

Triad

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



17.5884, 0.2945, 0.3721



17.5884, 0.2650, 0.2724



17.5884, 0.3800, 0.3440

Complementary

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



17.5884, 0.2945, 0.3721



12.7174, 0.3365, 0.2896

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.



17.5884, 0.3609, 0.3154



17.5884, 0.2945, 0.3721



17.5884, 0.2934, 0.2755

Square

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



17.5884, 0.2945, 0.3721



17.5884, 0.2496, 0.2835



17.5884, 0.3286, 0.2910



17.5884, 0.3796, 0.3707

Rectangle

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



17.5884, 0.2945, 0.3721



17.5884, 0.2535, 0.3184



17.5884, 0.3286, 0.2910



17.5884, 0.3756, 0.3343

Sweetspot

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



17.5891, 0.2945, 0.3721



33.9478, 0.3071, 0.3406



18.4954, 0.3344, 0.3982



7.9412, 0.3063, 0.3425



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.



17.5891, 0.2945, 0.3721



30.1312, 0.2907, 0.3838



17.9603, 0.2778, 0.3360



4.4748, 0.3066, 0.3418



14.8983, 0.2786, 0.5230



70.9056, 0.2812, 0.5323

Inverse Universe

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



12.7174, 0.3365, 0.2896



20.0470, 0.3437, 0.2801



12.3892, 0.3631, 0.3223



4.0509, 0.3194, 0.3165



4.8428, 0.4536, 0.2272



22.9284, 0.4624, 0.2321

Previews

White Background



This preview shows how the Yxy color 17.5884, 0.2945, 0.3721 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 17.5884, 0.2945, 0.3721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

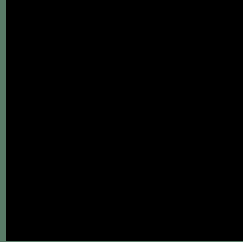
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.5884, 0.2945, 0.3721

Background



This preview shows how black text looks on a background with the Yxy color 17.5884, 0.2945, 0.3721.

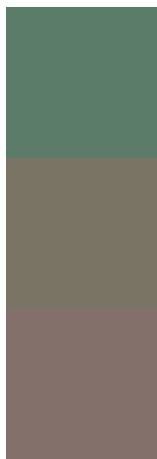


This preview shows how white text looks on a background with the Yxy color 17.5884, 0.2945, 0.3721.

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

17.5884, 0.2945, 0.3721

Protanopia

17.5485, 0.3403, 0.3604

Deuteranopia

17.4752, 0.3449, 0.3385



Tritanopia

17.4775, 0.2731, 0.3087

Trichromacy



Original Color

17.5884, 0.2945, 0.3721

Protanomaly

17.4482, 0.3224, 0.3658

Deuteranomaly

17.2444, 0.3248, 0.3490

Tritanomaly

17.3824, 0.2801, 0.3289

Monochromacy



Original Color

17.5884, 0.2945, 0.3721

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.5380, 0.3057, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5884, 0.2945, 0.3721 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(90, 124, 104)` looks like.

```
.text, #text, p{  
    color:rgb(90, 124, 104)  
}
```

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(90, 124, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 124, 104) }
```

Border

The CSS property to change the border of an element to Yxy 17.5884, 0.2945, 0.3721 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(90, 124, 104) }
```

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

```
.border{ border-color:rgb(90, 124, 104) }
```

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

Here you see how a box with a 4 pixel rgb(90, 124, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 124, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 124, 104);  
box-shadow:4px 4px 4px 4px rgb(90, 124,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5884, 0.2945, 0.3721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 124, 104) }
```

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

```
.background{ background-color: rgb(90, 124,  
104) }
```

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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