

Converting Colors

$Y_{xy}(17.4913, 0.3110, 0.4116)$

Have a look what the booklet for
Yxy(17.4913, 0.3110, 0.4116)
contains.

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Color

Yxy(17.4792, 0.3111, 0.4127)

Conversions

Conversions Part 1

Format	Color
Hex	597D57
RGB	89, 125, 87
RGB Percent	35%, 49%, 34%
CMY	0.6509, 0.5098, 0.6588
CMYK	0.29, 0.00, 0.30, 0.51
HSL	117°, 18%, 42%
HSV	117°, 30%, 49%
XYZ	13.1761, 17.4792, 11.6980
YIQ	109.9040, -9.2580, -19.4500

Conversions

Conversions Part 2

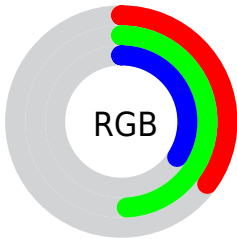
Format	Color
R_{YB}	87, 125, 123
Decimal	5864791
CIE _{Lab}	48.86, -20.79, 16.75
CIE _{LCh}	49, 26.694, 141.146
Yxy	17.4792, 0.3111, 0.4127
Android (android.graphics.Color)	4284054871 (0xFF597D57)
YUV	109.9040, -11.2917, -18.3328
Hunter-Lab	41.8081, -16.9088, 12.6763

Details

The Yxy color **17.4792, 0.3111, 0.4127** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.5077, 0.3131, 0.2563**, and the grayscale version is **15.6011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2224, 0.3123, 0.3920**, and **5.8004, 0.3067, 0.4563** is the 20% darker color. If you saturate the color by 10%, you get **16.7536, 0.3101, 0.4455**, and if you desaturate by 10%, it is **18.3359, 0.3118, 0.3822**.

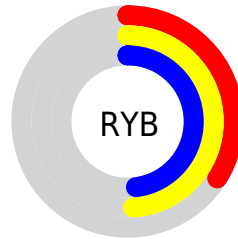
Distribution



Red (35%)

Green (49%)

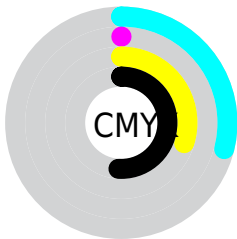
Blue (34%)



Red (34%)

Yellow (49%)

Blue (48%)

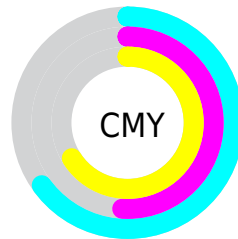


Cyan (29%)

Magenta (0%)

Yellow (30%)

Black (51%)



Cyan (65%)


Magenta (51%)

Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.4792, 0.3111, 0.4127 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 17.4792, 0.3111, 0.4127 by changing the saturation by 10% instead.


 17.4792, 0.3111,
0.4127


 17.4792, 0.3111,
0.4127


237.9189, 0.3131,
0.3622


 10.5767, 0.3098,
0.4295


 39.1479, 0.3123,
0.3916


 5.7830, 0.3072,
0.4547

 54.6829, 0.3126,
0.3846


 2.7136, 0.3015,
0.4959

 73.8642, 0.3128,
0.3790

 0.9841, 0.3014,
0.6986

 97.0761, 0.3129,
0.3744

 0.0000, 0.0000,
0.0000

 124.7032, 0.3130,
0.3706

157.1298, 0.3130,

0.3673

194.7402, 0.3131,
0.3646

■ 17.4792, 0.3111,
0.4127

■ 17.4792, 0.3111,
0.4127

■ 16.7536, 0.3101,
0.4455

■ 18.3359, 0.3118,
0.3822

■ 16.1504, 0.3089,
0.4795

■ 19.3272, 0.3123,
0.3545

■ 15.6636, 0.3075,
0.5127

■ 20.4595, 0.3127,
0.3299

■ 15.2857, 0.3059,
0.5431

■ 21.7379, 0.3129,
0.3083

■ 15.0083, 0.3042,
0.5683

■ 23.1675, 0.3130,
0.2895

■ 14.8217, 0.3026,
0.5864

■ 24.7528, 0.3131,
0.2733

■ 14.7092, 0.3018,
0.5986

■ 26.4985, 0.3131,
0.2592

■ 28.4089, 0.3130,
0.2470

■ 30.4880, 0.3129,
0.2365

Harmonies

Analogous

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



17.4792, 0.3615, 0.4225



17.4792, 0.3111, 0.4127



17.4792, 0.2635, 0.3732

Triad

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



17.4792, 0.3111, 0.4127



17.4792, 0.2293, 0.2522



17.4792, 0.4014, 0.3269

Complementary

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



17.4792, 0.3111, 0.4127



12.5077, 0.3131, 0.2563

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.



17.4792, 0.3601, 0.2891



17.4792, 0.3111, 0.4127



17.4792, 0.2603, 0.2474

Square

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



17.4792, 0.3111, 0.4127



17.4792, 0.2190, 0.2773



17.4792, 0.3075, 0.2609



17.4792, 0.4162, 0.3678

Rectangle

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



17.4792, 0.3111, 0.4127



17.4792, 0.2395, 0.3385



17.4792, 0.3075, 0.2609



17.4792, 0.3900, 0.3136

Sweetspot

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



17.4799, 0.3111, 0.4127



34.8370, 0.3124, 0.3514



19.0813, 0.3577, 0.3969



7.8709, 0.3123, 0.3546



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.



17.4799, 0.3111, 0.4127



30.4355, 0.3105, 0.4338



17.6818, 0.2919, 0.3757



4.8288, 0.3124, 0.3512



15.3520, 0.3018, 0.5986



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.5077, 0.3131, 0.2563



20.1239, 0.3130, 0.2410



12.2718, 0.3411, 0.2867



4.4011, 0.3129, 0.3077



5.5900, 0.3080, 0.1471



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.4792, 0.3111, 0.4127 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 17.4792, 0.3111, 0.4127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

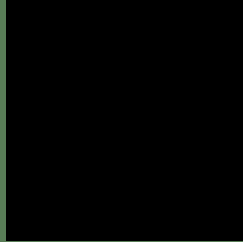
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.4792, 0.3111, 0.4127

Background



This preview shows how black text looks on a background with the Yxy color 17.4792, 0.3111, 0.4127.



This preview shows how white text looks on a background with the Yxy color 17.4792, 0.3111, 0.4127.

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

17.4792, 0.3111, 0.4127

Protanopia

17.4753, 0.3660, 0.3932

Deuteranopia

17.2580, 0.3739, 0.3683



Tritanopia

17.5593, 0.2762, 0.3108

Trichromacy



Original Color

17.4792, 0.3111, 0.4127

Protanomaly

17.2785, 0.3453, 0.4009

Deuteranomaly

17.0636, 0.3487, 0.3834

Tritanomaly

17.5137, 0.2885, 0.3457

Monochromacy



Original Color

17.4792, 0.3111, 0.4127

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.0456, 0.3114, 0.3567

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4792, 0.3111, 0.4127 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(89, 125, 87)` looks like.

```
.text, #text, p{  
  color:rgb(89, 125, 87)  
}
```

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(89, 125, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 125, 87) }
```

Border

The CSS property to change the border of an element to Yxy 17.4792, 0.3111, 0.4127 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(89, 125, 87) }
```

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

```
.border{ border-color:rgb(89, 125, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 125, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 125, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 125, 87);  
box-shadow:4px 4px 4px 4px rgb(89, 125,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4792, 0.3111, 0.4127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 125, 87) }
```

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

```
.background{ background-color: rgb(89, 125,  
87) }
```

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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