

Converting Colors

$Y_{xy}(17.3824, 0.2828, 0.4051)$

Have a look what the booklet for
Yxy(17.3824, 0.2828, 0.4051)
contains.

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Color

Yxy(17.5117, 0.2834, 0.4069)

Conversions

Conversions Part 1

Format	Color
Hex	45805E
RGB	69, 128, 94
RGB Percent	27%, 50%, 37%
CMY	0.7292, 0.4981, 0.6313
CMYK	0.46, 0.00, 0.27, 0.50
HSL	145°, 30%, 39%
HSV	145°, 46%, 50%
XYZ	12.1966, 17.5117, 13.3285
YIQ	106.4830, -24.2500, -23.0820

Conversions

Conversions Part 2

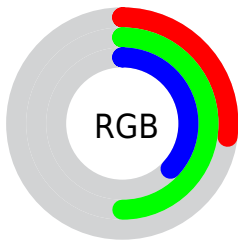
Format	Color
R_{YB}	69, 110, 128
Decimal	4554846
CIE _{Lab}	48.90, -27.54, 12.59
CIE _{LCh}	49, 30.280, 155.433
Yxy	17.5117, 0.2834, 0.4069
Android (android.graphics.Color)	4282744926 (0xFF45805E)
YUV	106.4830, -6.1541, -32.8726
Hunter-Lab	41.8470, -21.2069, 10.4087

Details

The Yxy color **17.5117, 0.2834, 0.4069** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **9.8313, 0.3610, 0.2633**, and the grayscale version is **14.5786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.1263, 0.2916, 0.3876**, and **5.7723, 0.2676, 0.4450** is the 20% darker color. If you saturate the color by 10%, you get **16.9671, 0.2791, 0.4278**, and if you desaturate by 10%, it is **18.1714, 0.2888, 0.3872**.

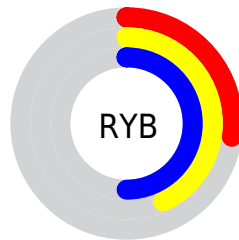
Distribution



Red (27%)

Green (50%)

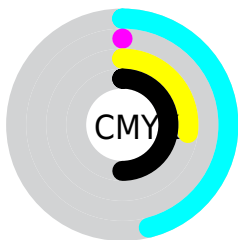
Blue (37%)



Red (27%)

Yellow (43%)

Blue (50%)

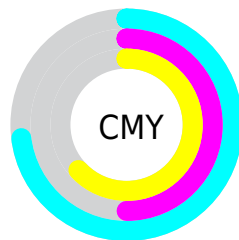


Cyan (46%)

Magenta (0%)

Yellow (27%)

Black (50%)



Cyan (73%)


Magenta (50%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.5117, 0.2834, 0.4069 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 17.5117, 0.2834, 0.4069 by changing the saturation by 10% instead.


 17.5117, 0.2834,
0.4069

 17.5117, 0.2834,
0.4069


238.1041, 0.3013,
0.3598


 10.6000, 0.2772,
0.4228


 39.2035, 0.2910,
0.3871


 5.7985, 0.2678,
0.4466

 54.7524, 0.2935,
0.3806


 2.7230, 0.2520,
0.4862

 73.9491, 0.2955,
0.3754

 0.9889, 0.1827,
0.6842

 97.1780, 0.2971,
0.3711

 0.0000, 0.0000,
0.0000

 124.8236, 0.2984,
0.3675

157.2702, 0.2996,

0.3645

194.9023, 0.3005,
0.3620

■ 17.5117, 0.2834,
0.4069

■ 17.5117, 0.2834,
0.4069

■ 16.9671, 0.2791,
0.4278

■ 18.1714, 0.2888,
0.3872

■ 16.5286, 0.2761,
0.4494

■ 18.9504, 0.2950,
0.3690

■ 16.1891, 0.2747,
0.4711


■ 19.8552, 0.3016,
0.3523


■ 15.9400, 0.2750,
0.4923

■ 20.8913, 0.3085,
0.3373


■ 15.7661, 0.2770,
0.5124


■ 22.0638, 0.3155,
0.3239

 15.7052, 0.2778,
0.5201

 23.3775, 0.3224,
0.3120

 24.8370, 0.3291,
0.3015

 26.4468, 0.3356,
0.2923

 28.2110, 0.3418,
0.2842

Harmonies

Analogous

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



17.5117, 0.3405, 0.4351



17.5117, 0.2834, 0.4069



17.5117, 0.2369, 0.3509

Triad

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



17.5117, 0.2834, 0.4069



17.5117, 0.2329, 0.2377



17.5117, 0.4257, 0.3475

Complementary

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



17.5117, 0.2834, 0.4069



9.8313, 0.3610, 0.2633

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.



17.5117, 0.3916, 0.3031



17.5117, 0.2834, 0.4069



17.5117, 0.2769, 0.2427

Square

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



17.5117, 0.2834, 0.4069



17.5117, 0.2104, 0.2541



17.5117, 0.3351, 0.2660



17.5117, 0.4252, 0.3920

Rectangle

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



17.5117, 0.2834, 0.4069



17.5117, 0.2173, 0.3113



17.5117, 0.3351, 0.2660



17.5117, 0.4179, 0.3323

Sweetspot

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



17.5124, 0.2834, 0.4069



35.2599, 0.3028, 0.3496



18.7767, 0.3461, 0.4501



8.1807, 0.3015, 0.3525



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



17.5124, 0.2834, 0.4069



29.8573, 0.2790, 0.4282



18.1363, 0.2574, 0.3394



4.8466, 0.3064, 0.3417



15.5744, 0.2778, 0.5200



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.8313, 0.3610, 0.2633



14.5926, 0.3769, 0.2499



9.3452, 0.4195, 0.3196



4.3826, 0.3196, 0.3166



5.0384, 0.4583, 0.2298



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.5117, 0.2834, 0.4069 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 17.5117, 0.2834, 0.4069 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 17.5117, 0.2834, 0.4069

Background



This preview shows how black text looks on a background with the Yxy color 17.5117, 0.2834, 0.4069.



This preview shows how white text looks on a background with the Yxy color 17.5117, 0.2834, 0.4069.

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

17.5117, 0.2834, 0.4069

Protanopia

17.2511, 0.3588, 0.3820

Deuteranopia

17.2373, 0.3602, 0.3535



Tritanopia

17.5216, 0.2557, 0.3081

Trichromacy



Original Color

17.5117, 0.2834, 0.4069

Protanomaly

17.1142, 0.3272, 0.3924

Deuteranomaly

16.9006, 0.3276, 0.3704

Tritanomaly

17.4950, 0.2651, 0.3419

Monochromacy



Original Color

17.5117, 0.2834, 0.4069

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.3211, 0.3000, 0.3555

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5117, 0.2834, 0.4069 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(69, 128, 94)` looks like.

```
.text, #text, p{  
    color:rgb(69, 128, 94)  
}
```

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(69, 128, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 128, 94) }
```

Border

The CSS property to change the border of an element to Yxy 17.5117, 0.2834, 0.4069 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(69, 128, 94) }
```

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

```
.border{ border-color:rgb(69, 128, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 128, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 128, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 128, 94);  
box-shadow:4px 4px 4px 4px rgb(69, 128,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5117, 0.2834, 0.4069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 128, 94) }
```

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

```
.background{ background-color: rgb(69, 128,  
94) }
```

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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