

Converting Colors

$Y_{xy}(17.8738, 0.3175, 0.4387)$

Have a look what the booklet for
Yxy(17.8738, 0.3175, 0.4387)
contains.

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Color

Yxy(18.0146, 0.3174, 0.4390)

Conversions

Conversions Part 1

Format	Color
Hex	57804E
RGB	87, 128, 78
RGB Percent	34%, 50%, 31%
CMY	0.6588, 0.4980, 0.6942
CMYK	0.32, 0.00, 0.39, 0.50
HSL	109°, 24%, 40%
HSV	109°, 39%, 50%
XYZ	13.0247, 18.0146, 9.9963
YIQ	110.0410, -8.3860, -24.2420

Conversions

Conversions Part 2

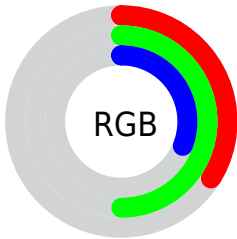
Format	Color
R_{YB}	78, 128, 119
Decimal	5734478
CIE _{Lab}	49.51, -24.61, 22.73
CIE _{LCh}	50, 33.501, 137.272
Y _{xy}	18.0146, 0.3174, 0.4390
Android (android.graphics.Color)	4283924558 (0xFF57804E)
YUV	110.0410, -15.7962, -20.2070
Hunter-Lab	42.4436, -19.5000, 15.7466

Details

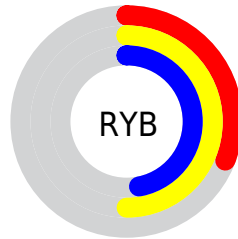
The Yxy color $18.0146, 0.3174, 0.4390$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $10.9271, 0.3031, 0.2328$, and the grayscale version is $15.6535, 0.3127, 0.3290$.

A 20% lighter version of the original color is $40.0095, 0.3172, 0.4107$, and $5.9844, 0.3152, 0.4935$ is the 20% darker color. If you saturate the color by 10%, you get $17.3804, 0.3175, 0.4717$, and if you desaturate by 10%, it is $18.7595, 0.3167, 0.4074$.

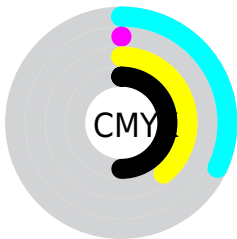
Distribution



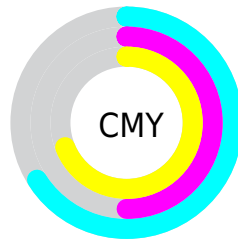
- Red (34%)
- Green (50%)
- Blue (31%)



- Red (31%)
- Yellow (50%)
- Blue (47%)



- Cyan (32%)
- Magenta (0%)
- Yellow (39%)
- Black (50%)





- Cyan (66%)
- Magenta (50%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0146, 0.3174, 0.4390 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 18.0146, 0.3174, 0.4390 by changing the saturation by 10% instead.


 18.0146, 0.3174,
0.4390


 18.0146, 0.3174,
0.4390


240.9533, 0.3165,
0.3725


 10.9605, 0.3164,
0.4610


 40.0622, 0.3177,
0.4113


 6.0403, 0.3138,
0.4936

 55.8245, 0.3176,
0.4020

 2.8696, 0.3074,
0.5471

 75.2582, 0.3174,
0.3946

 1.0640, 0.2734,
0.7266

 98.7479, 0.3172,
0.3886

 0.0000, 0.0000,
0.0000

 126.6778, 0.3171,
0.3836

159.4324, 0.3169,

0.3793

197.3961, 0.3167,
0.3757

■ 18.0146, 0.3174,
0.4390

■ 18.0146, 0.3174,
0.4390

■ 17.3804, 0.3175,
0.4717

■ 18.7595, 0.3167,
0.4074

■ 16.8493, 0.3169,
0.5040

■ 19.6177, 0.3156,
0.3779

■ 16.4166, 0.3155,
0.5340


■ 20.5946, 0.3141,
0.3510

■ 16.0758, 0.3132,
0.5596


■ 21.6944, 0.3126,
0.3269

■ 15.8200, 0.3103,
0.5791

■ 22.9213, 0.3109,
0.3055


 15.6364, 0.3074,
0.5931

 24.2792, 0.3092,
0.2867

 15.6220, 0.3072,
0.5943

 25.7717, 0.3076,
0.2702

 27.4026, 0.3060,
0.2558

 29.1753, 0.3045,
0.2432

Harmonies

Analogous

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



18.0146, 0.3786, 0.4436



18.0146, 0.3174, 0.4390



18.0146, 0.2581, 0.3927

Triad

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



18.0146, 0.3174, 0.4390



18.0146, 0.2085, 0.2374



18.0146, 0.4180, 0.3188

Complementary

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



18.0146, 0.3174, 0.4390



10.9271, 0.3031, 0.2328

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.



18.0146, 0.3630, 0.2750



18.0146, 0.3174, 0.4390



18.0146, 0.2421, 0.2296

Square

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



18.0146, 0.3174, 0.4390



18.0146, 0.1994, 0.2699



18.0146, 0.2972, 0.2434



18.0146, 0.4408, 0.3677

Rectangle

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



18.0146, 0.3174, 0.4390



18.0146, 0.2276, 0.3486



18.0146, 0.2972, 0.2434



18.0146, 0.4024, 0.3032

Sweetspot

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



18.0154, 0.3174, 0.4390



35.6841, 0.3146, 0.3593



18.2934, 0.3746, 0.4066



8.3121, 0.3148, 0.3621



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.



18.0154, 0.3174, 0.4390



30.7019, 0.3175, 0.4684



17.8634, 0.2922, 0.4055



4.8531, 0.3141, 0.3511



15.4901, 0.3072, 0.5943



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.9271, 0.3031, 0.2328



16.3459, 0.2999, 0.2110



11.2103, 0.3422, 0.2635



4.3745, 0.3111, 0.3076



4.5197, 0.2771, 0.1300



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.0146, 0.3174, 0.4390 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 18.0146, 0.3174, 0.4390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

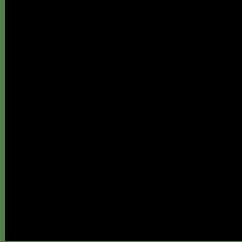
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0146, 0.3174, 0.4390

Background



This preview shows how black text looks on a background with the Yxy color 18.0146, 0.3174, 0.4390.



This preview shows how white text looks on a background with the Yxy color 18.0146, 0.3174, 0.4390.

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

18.0146, 0.3174, 0.4390

Protanopia

17.8062, 0.3806, 0.4107

Deuteranopia

17.7730, 0.3911, 0.3833



Tritanopia

18.0446, 0.2736, 0.3109

Trichromacy



Original Color

18.0146, 0.3174, 0.4390

Protanomaly

17.6935, 0.3561, 0.4223

Deuteranomaly

17.6159, 0.3617, 0.4021

Tritanomaly

17.9123, 0.2896, 0.3542

Monochromacy



Original Color

18.0146, 0.3174, 0.4390

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.4292, 0.3159, 0.3695

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0146, 0.3174, 0.4390 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(87, 128, 78)` looks like.

```
.text, #text, p{  
    color:rgb(87, 128, 78)  
}
```

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(87, 128, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 128, 78) }
```

Border

The CSS property to change the border of an element to Yxy 18.0146, 0.3174, 0.4390 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(87, 128, 78) }
```

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

```
.border{ border-color:rgb(87, 128, 78) }
```

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

Here you see how a box with a 4 pixel rgb(87, 128, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 128, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 128, 78);  
box-shadow:4px 4px 4px 4px rgb(87, 128,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0146, 0.3174, 0.4390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 128, 78) }
```

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

```
.background{ background-color: rgb(87, 128,  
78) }
```

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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