

Converting Colors

$Y_{xy}(17.2175, 0.3093, 0.4395)$

Have a look what the booklet for
Yxy(17.2175, 0.3093, 0.4395)
contains.

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Color

Yxy(17.1340, 0.3087, 0.4385)

Conversions

Conversions Part 1

Format	Color
Hex	4F7E4E
RGB	79, 126, 78
RGB Percent	31%, 49%, 31%
CMY	0.6901, 0.5059, 0.6941
CMYK	0.37, 0.00, 0.38, 0.51
HSL	119°, 24%, 40%
HSV	119°, 38%, 49%
XYZ	12.0622, 17.1340, 9.8779
YIQ	106.4750, -12.6040, -24.8920

Conversions

Conversions Part 2

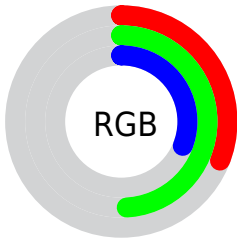
Format	Color
RYB	78, 126, 125
Decimal	5209678
CIELab	48.43, -26.44, 21.22
CIELCh	48, 33.903, 141.258
Yxy	17.1340, 0.3087, 0.4385
Android (android.graphics.Color)	4283399758 (0xFF4F7E4E)
YUV	106.4750, -14.0382, -24.0956
Hunter-Lab	41.3932, -20.4224, 14.8265

Details

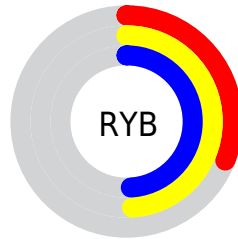
The Yxy color **17.1340, 0.3087, 0.4385** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.3113, 0.3153, 0.2387**, and the grayscale version is **14.5944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5445, 0.3106, 0.4097**, and **5.5547, 0.3009, 0.4924** is the 20% darker color. If you saturate the color by 10%, you get **16.4902, 0.3073, 0.4726**, and if you desaturate by 10%, it is **17.9119, 0.3100, 0.4058**.

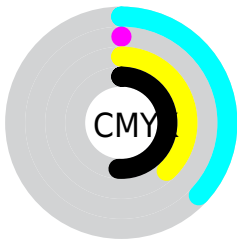
Distribution



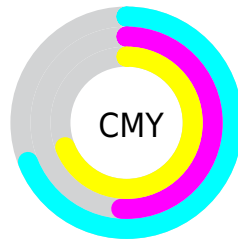
- Red (31%)
- Green (49%)
- Blue (31%)



- Red (31%)
- Yellow (49%)
- Blue (49%)



- Cyan (37%)
- Magenta (0%)
- Yellow (38%)
- Black (51%)




- Cyan (69%)
- Magenta (51%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1340, 0.3087, 0.4385 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 17.1340, 0.3087, 0.4385 by changing the saturation by 10% instead.


 17.1340, 0.3087,
0.4385

 17.1340, 0.3087,
0.4385


235.9434, 0.3128,
0.3717


 10.3301, 0.3062,
0.4611


 38.5560, 0.3111,
0.4104

 5.6184, 0.3013,
0.4950

 53.9429, 0.3116,
0.4011


 2.6144, 0.2915,
0.5525

 72.9596, 0.3120,
0.3937

 0.9339, 0.2053,
0.7947

 95.9904, 0.3123,
0.3877

 0.0000, 0.0000,
0.0000

 123.4198, 0.3125,
0.3826

155.6322, 0.3126,

0.3784

193.0119, 0.3128,
0.3748

■ 17.1340, 0.3087,
0.4385

■ 17.1340, 0.3087,
0.4385

■ 16.4902, 0.3073,
0.4726

■ 17.9119, 0.3100,
0.4058

■ 15.9710, 0.3058,
0.5065

■ 18.8286, 0.3111,
0.3757

■ 15.5689, 0.3042,
0.5380


■ 19.8913, 0.3121,
0.3486

■ 15.2749, 0.3028,
0.5645


■ 21.1058, 0.3129,
0.3247


■ 15.0784, 0.3016,
0.5841


■ 22.4778, 0.3135,
0.3038

 14.9591, 0.3008,
0.5970

 24.0127, 0.3141,
0.2857

 14.9387, 0.3007,
0.5994

 25.7156, 0.3145,
0.2701

 27.5913, 0.3149,
0.2566

 29.6446, 0.3152,
0.2450

Harmonies

Analogous

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



17.1340, 0.3723, 0.4487



17.1340, 0.3087, 0.4385



17.1340, 0.2495, 0.3860

Triad

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



17.1340, 0.3087, 0.4385



17.1340, 0.2090, 0.2326



17.1340, 0.4265, 0.3248

Complementary

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



17.1340, 0.3087, 0.4385



11.3113, 0.3153, 0.2387

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.



17.1340, 0.3731, 0.2789



17.1340, 0.3087, 0.4385



17.1340, 0.2466, 0.2278

Square

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



17.1340, 0.3087, 0.4385



17.1340, 0.1963, 0.2621



17.1340, 0.3054, 0.2446



17.1340, 0.4445, 0.3749

Rectangle

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



17.1340, 0.3087, 0.4385



17.1340, 0.2202, 0.3397



17.1340, 0.3054, 0.2446



17.1340, 0.4119, 0.3086

Sweetspot

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



17.1347, 0.3087, 0.4385



34.3951, 0.3118, 0.3568



19.5006, 0.3683, 0.4167



7.7772, 0.3117, 0.3597



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.



17.1347, 0.3087, 0.4385



29.1333, 0.3074, 0.4691



17.4684, 0.2856, 0.3861



4.8228, 0.3120, 0.3512



15.3260, 0.3007, 0.5994



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.3113, 0.3153, 0.2387



17.2893, 0.3157, 0.2189



10.8748, 0.3536, 0.2785



4.4078, 0.3134, 0.3077



5.8862, 0.3157, 0.1513



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.1340, 0.3087, 0.4385 looks on a white background.

Color Contrast Check

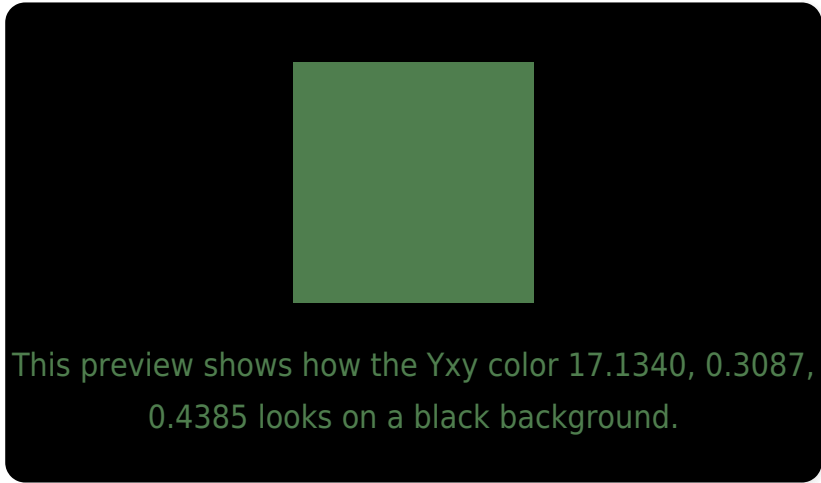
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

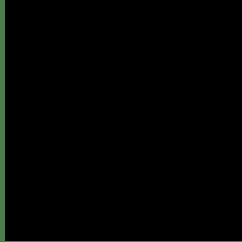
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.1340, 0.3087, 0.4385

Background



This preview shows how black text looks on a background with the Yxy color 17.1340, 0.3087, 0.4385.



This preview shows how white text looks on a background with the Yxy color 17.1340, 0.3087, 0.4385.

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

17.1340, 0.3087, 0.4385

Protanopia

17.1025, 0.3790, 0.4105

Deuteranopia

16.9953, 0.3868, 0.3810



Tritanopia

17.1418, 0.2679, 0.3103

Trichromacy



Original Color

17.1340, 0.3087, 0.4385

Protanomaly

16.8898, 0.3503, 0.4210

Deuteranomaly

16.7297, 0.3544, 0.4006

Tritanomaly

16.9762, 0.2828, 0.3551

Monochromacy



Original Color

17.1340, 0.3087, 0.4385

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.1416, 0.3109, 0.3667

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1340, 0.3087, 0.4385 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(79, 126, 78)` looks like.

```
.text, #text, p{  
    color:rgb(79, 126, 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(79, 126, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 126, 78) }
```

Border

The CSS property to change the border of an element to Yxy 17.1340, 0.3087, 0.4385 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(79, 126, 78) }
```

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

```
.border{ border-color:rgb(79, 126, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 126, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 126, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 126, 78);  
box-shadow:4px 4px 4px 4px rgb(79, 126,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1340, 0.3087, 0.4385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 126, 78) }
```

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

```
.background{ background-color: rgb(79, 126,  
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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