

Converting Colors

$Y_{xy}(17.7412, 0.2595, 0.4500)$

Have a look what the booklet for
Yxy(17.7412, 0.2595, 0.4500)
contains.

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Color

Yxy(17.7448, 0.2595, 0.4496)

Conversions

Conversions Part 1

Format	Color
Hex	068655
RGB	6, 134, 85
RGB Percent	2%, 53%, 33%
CMY	0.9757, 0.4745, 0.6666
CMYK	0.95, 0.00, 0.37, 0.47
HSL	157°, 91%, 27%
HSV	157°, 95%, 53%
XYZ	10.2419, 17.7448, 11.4812
YIQ	90.1420, -60.5590, -42.3750

Conversions

Conversions Part 2

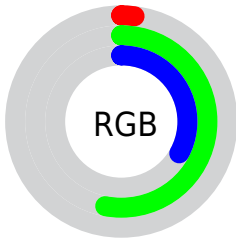
Format	Color
RYB	6, 85, 134
Decimal	427605
CIELab	49.19, -43.04, 17.90
CIELCh	49, 46.613, 157.416
Yxy	17.7448, 0.2595, 0.4496
Android (android.graphics.Color)	4278617685 (0xFF068655)
YUV	90.1420, -2.5350, -73.7925
Hunter-Lab	42.1246, -30.3185, 13.3275

Details

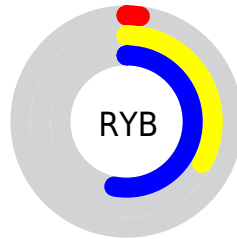
The Yxy color **17.7448, 0.2595, 0.4496** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **5.4803, 0.5241, 0.2712**, and the grayscale version is **10.2878, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5095, 0.2733, 0.4180**, and **6.3330, 0.2713, 0.4966** is the 20% darker color. If you saturate the color by 10%, you get **17.6684, 0.2601, 0.4562**, and if you desaturate by 10%, it is **17.9347, 0.2587, 0.4353**.

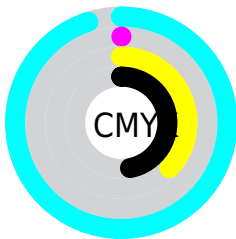
Distribution



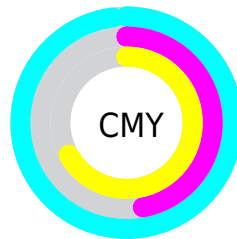
- Red (2%)
- Green (53%)
- Blue (33%)



- Red (2%)
- Yellow (33%)
- Blue (53%)



- Cyan (95%)
- Magenta (0%)
- Yellow (37%)
- Black (47%)





- Cyan (98%)
- Magenta (47%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7448, 0.2595, 0.4496 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 17.7448, 0.2595, 0.4496 by changing the saturation by 10% instead.


 17.7448, 0.2595,
0.4496


 17.7448, 0.2595,
0.4496


239.4287, 0.2923,
0.3755


 10.7669, 0.2481,
0.4751


 39.6020, 0.2735,
0.4182


 5.9103, 0.2308,
0.5136

 55.2501, 0.2780,
0.4079

 2.7906, 0.2018,
0.5778

 74.5571, 0.2817,
0.3997

 1.0234, 0.0000,
1.0000

 97.9073, 0.2846,
0.3930

 0.0000, 0.0000,
0.0000

 125.6852, 0.2870,
0.3875

 158.2751, 0.2891,

0.3829

196.0614, 0.2908,
0.3789

■ 17.7448, 0.2595,
0.4496

■ 17.7448, 0.2595,
0.4496

■ 17.6684, 0.2601,
0.4562

■ 17.9347, 0.2587,
0.4353

■ 18.2042, 0.2597,
0.4209

■ 18.5679, 0.2625,
0.4065

■ 19.0352, 0.2671,
0.3925

■ 19.6146, 0.2733,
0.3791

■ 20.3134, 0.2806,
0.3664

■ 21.1383, 0.2890,
0.3546

■ 22.0956, 0.2980,
0.3437

■ 23.1911, 0.3075,
0.3339

Harmonies

Analogous

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



17.7448, 0.3422, 0.4952



17.7448, 0.2595, 0.4496



17.7448, 0.1960, 0.3537

Triad

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



17.7448, 0.2595, 0.4496



17.7448, 0.1996, 0.1971



17.7448, 0.4863, 0.3529

Complementary

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



17.7448, 0.2595, 0.4496



5.4803, 0.5241, 0.2712

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.



17.7448, 0.4384, 0.2920



17.7448, 0.2595, 0.4496



17.7448, 0.2627, 0.2072

Square

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



17.7448, 0.2595, 0.4496



17.7448, 0.1674, 0.2146



17.7448, 0.3509, 0.2407



17.7448, 0.4767, 0.4167

Rectangle

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



17.7448, 0.2595, 0.4496



17.7448, 0.1719, 0.2917



17.7448, 0.3509, 0.2407



17.7448, 0.4765, 0.3320

Sweetspot

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



17.7455, 0.2595, 0.4496



36.5974, 0.2853, 0.3595



17.8806, 0.3260, 0.5746



8.1279, 0.2823, 0.3638



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



17.7455, 0.2595, 0.4496



31.1009, 0.2609, 0.4592



14.9757, 0.2162, 0.2946



5.2494, 0.3039, 0.3375



16.5607, 0.2600, 0.4558



0.0588, 0.2425, 0.3928

Inverse Universe

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



5.4803, 0.5241, 0.2712



9.3288, 0.5434, 0.2767



5.6221, 0.6148, 0.3410



4.7161, 0.3224, 0.3207



4.9788, 0.5374, 0.2734



0.0186, 0.4356, 0.2173

Previews

White Background



This preview shows how the Yxy color 17.7448, 0.2595, 0.4496 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 17.7448, 0.2595, 0.4496 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 17.7448, 0.2595, 0.4496

Background



This preview shows how black text looks on a background with the Yxy color 17.7448, 0.2595, 0.4496.



This preview shows how white text looks on a background with the Yxy color 17.7448, 0.2595, 0.4496.

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

17.7448, 0.2595, 0.4496

Protanopia

17.4765, 0.3736, 0.4024

Deuteranopia

17.5608, 0.3748, 0.3699



Tritanopia

17.9017, 0.2323, 0.3075

Trichromacy



Original Color

17.7448, 0.2595, 0.4496



Protanomaly

16.5538, 0.3093, 0.4250



Deuteranomaly

16.2614, 0.3105, 0.4009



Tritanomaly

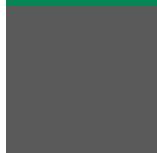
17.6205, 0.2398, 0.3539

Monochromacy



Original Color

17.7448, 0.2595, 0.4496



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

11.9733, 0.2758, 0.3761

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7448, 0.2595, 0.4496 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(6, 134, 85)` looks like.

```
.text, #text, p{  
    color:rgb(6, 134, 85)  
}
```

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(6, 134, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 134, 85) }
```

Border

The CSS property to change the border of an element to Yxy 17.7448, 0.2595, 0.4496 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(6, 134, 85) }
```

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

```
.border{ border-color:rgb(6, 134, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 134, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 134, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 134, 85);  
box-shadow:4px 4px 4px 4px rgb(6, 134, 85)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.7448, 0.2595, 0.4496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 134, 85) }
```

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

```
.background{ background-color: rgb(6, 134,  
85) }
```

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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