

Converting Colors

$Y_{xy}(17.2510, 0.2834, 0.4202)$

Have a look what the booklet for
Yxy(17.2510, 0.2834, 0.4202)
contains.

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Color

Yxy(17.2496, 0.2835, 0.4202)

Conversions

Conversions Part 1

Format	Color
Hex	408059
RGB	64, 128, 89
RGB Percent	25%, 50%, 35%
CMY	0.7489, 0.4980, 0.6510
CMYK	0.50, 0.00, 0.30, 0.50
HSL	143°, 33%, 38%
HSV	143°, 50%, 50%
XYZ	11.6379, 17.2496, 12.1634
YIQ	104.4180, -25.6250, -25.6970

Conversions

Conversions Part 2

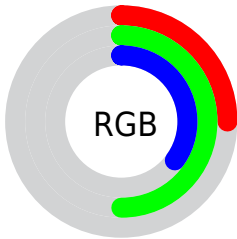
Format	Color
RYB	64, 110, 128
Decimal	4227161
CIELab	48.57, -30.05, 15.01
CIELCh	49, 33.588, 153.456
Yxy	17.2496, 0.2835, 0.4202
Android (android.graphics.Color)	4282417241 (0xFF408059)
YUV	104.4180, -7.6011, -35.4466
Hunter-Lab	41.5326, -22.6643, 11.7090

Details

The Yxy color **17.2496, 0.2835, 0.4202** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **9.2407, 0.3627, 0.2541**, and the grayscale version is **13.9898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.6248, 0.2915, 0.3966**, and **5.6555, 0.2667, 0.4679** is the 20% darker color. If you saturate the color by 10%, you get **16.7448, 0.2799, 0.4427**, and if you desaturate by 10%, it is **17.8683, 0.2882, 0.3988**.

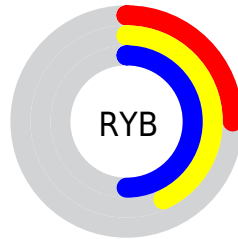
Distribution



Red (25%)

Green (50%)

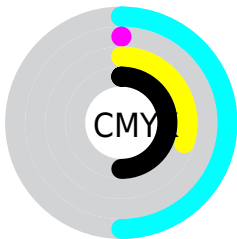
Blue (35%)



Red (25%)

Yellow (43%)

Blue (50%)

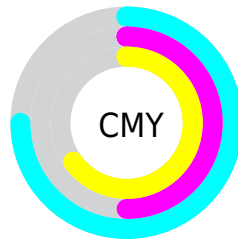


Cyan (50%)

Magenta (0%)

Yellow (30%)

Black (50%)



Cyan (75%)


Magenta (50%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2496, 0.2835, 0.4202 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 17.2496, 0.2835, 0.4202 by changing the saturation by 10% instead.


 17.2496, 0.2835,
0.4202


 17.2496, 0.2835,
0.4202

236.6067, 0.3018,
0.3646


 10.4126, 0.2770,
0.4391


 38.7544, 0.2913,
0.3968


 5.6734, 0.2669,
0.4677

 54.1911, 0.2939,
0.3890

 2.6475, 0.2494,
0.5155

 73.2630, 0.2959,
0.3829

 0.9506, 0.1506,
0.8494

 96.3547, 0.2975,
0.3779

 0.0000, 0.0000,
0.0000

 123.8505, 0.2989,
0.3737

156.1349, 0.3000,

0.3702

193.5921, 0.3009,
0.3672

■ 17.2496, 0.2835,
0.4202

■ 17.2496, 0.2835,
0.4202

■ 16.7448, 0.2799,
0.4427

■ 17.8683, 0.2882,
0.3988

■ 16.3444, 0.2777,
0.4656

■ 18.6053, 0.2937,
0.3788

■ 16.0411, 0.2772,
0.4883


■ 19.4675, 0.2998,
0.3604


■ 15.8253, 0.2784,
0.5099

■ 20.4604, 0.3062,
0.3438

■ 15.6681, 0.2806,
0.5300

■ 21.5893, 0.3127,
0.3290

 15.6676, 0.2806,
0.5301

 22.8594, 0.3192,
0.3158

 24.2752, 0.3255,
0.3041

 25.8414, 0.3317,
0.2939

 27.5622, 0.3375,
0.2850

Harmonies

Analogous

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



17.2496, 0.3468, 0.4486



17.2496, 0.2835, 0.4202



17.2496, 0.2313, 0.3577

Triad

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



17.2496, 0.2835, 0.4202



17.2496, 0.2223, 0.2288



17.2496, 0.4373, 0.3450

Complementary

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



17.2496, 0.2835, 0.4202



9.2407, 0.3627, 0.2541

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.



17.2496, 0.3970, 0.2970



17.2496, 0.2835, 0.4202



17.2496, 0.2689, 0.2332

Square

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



17.2496, 0.2835, 0.4202



17.2496, 0.1995, 0.2479



17.2496, 0.3328, 0.2575



17.2496, 0.4387, 0.3943

Rectangle

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



17.2496, 0.2835, 0.4202



17.2496, 0.2090, 0.3126



17.2496, 0.3328, 0.2575



17.2496, 0.4278, 0.3285

Sweetspot

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



17.2503, 0.2835, 0.4202



35.0554, 0.3028, 0.3525



18.7207, 0.3509, 0.4596



8.1360, 0.3016, 0.3555



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.



17.2503, 0.2835, 0.4202



29.3720, 0.2795, 0.4459



17.8985, 0.2557, 0.3452



4.8444, 0.3068, 0.3424



15.5361, 0.2806, 0.5300



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.2407, 0.3627, 0.2541



13.5430, 0.3796, 0.2394



8.7217, 0.4290, 0.3147



4.3849, 0.3191, 0.3159



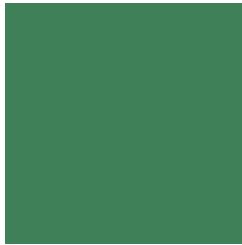
5.0974, 0.4451, 0.2226



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.2496, 0.2835, 0.4202 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 17.2496, 0.2835, 0.4202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

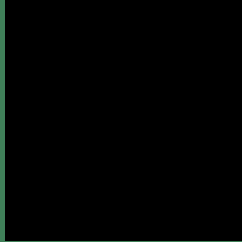
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.2496, 0.2835, 0.4202

Background



This preview shows how black text looks on a background with the Yxy color 17.2496, 0.2835, 0.4202.



This preview shows how white text looks on a background with the Yxy color 17.2496, 0.2835, 0.4202.

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

17.2496, 0.2835, 0.4202

Protanopia

17.0970, 0.3637, 0.3921

Deuteranopia

16.9287, 0.3675, 0.3612



Tritanopia

17.0809, 0.2527, 0.3078

Trichromacy



Original Color

17.2496, 0.2835, 0.4202

Protanomaly

16.9136, 0.3304, 0.4039

Deuteranomaly

16.6834, 0.3310, 0.3814

Tritanomaly

17.0159, 0.2639, 0.3466

Monochromacy



Original Color

17.2496, 0.2835, 0.4202

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.8350, 0.2985, 0.3607

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2496, 0.2835, 0.4202 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(64, 128, 89)` looks like.

```
.text, #text, p{  
    color:rgb(64, 128, 89)  
}
```

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(64, 128, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 128, 89) }
```

Border

The CSS property to change the border of an element to Yxy 17.2496, 0.2835, 0.4202 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(64, 128, 89) }
```

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

```
.border{ border-color:rgb(64, 128, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 128, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 128, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 128, 89);  
box-shadow:4px 4px 4px 4px rgb(64, 128,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2496, 0.2835, 0.4202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 128, 89) }
```

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

```
.background{ background-color: rgb(64, 128,  
89) }
```

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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