

Converting Colors

$Y_{xy}(17.4007, 0.2857, 0.4712)$

Have a look what the booklet for
Yxy(17.4007, 0.2857, 0.4712)
contains.

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Color

Yxy(17.3289, 0.2858, 0.4715)

Conversions

Conversions Part 1

Format	Color
Hex	308348
RGB	48, 131, 72
RGB Percent	19%, 51%, 28%
CMY	0.8118, 0.4863, 0.7177
CMYK	0.63, 0.00, 0.45, 0.49
HSL	137°, 46%, 35%
HSV	137°, 63%, 51%
XYZ	10.5039, 17.3289, 8.9199
YIQ	99.4570, -30.5290, -35.9450

Conversions

Conversions Part 2

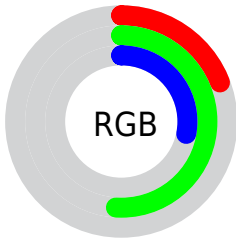
Format	Color
RYB	48, 112, 131
Decimal	3179336
CIELab	48.67, -38.81, 24.64
CIElCh	49, 45.976, 147.591
Yxy	17.3289, 0.2858, 0.4715
Android (android.graphics.Color)	4281369416 (0xFF308348)
YUV	99.4570, -13.5363, -45.1278
Hunter-Lab	41.6280, -27.8084, 16.4352

Details

The Yxy color **17.3289, 0.2858, 0.4715** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **7.9996, 0.3648, 0.2232**, and the grayscale version is **12.6384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9620, 0.2947, 0.4350**, and **5.8119, 0.2827, 0.5379** is the 20% darker color. If you saturate the color by 10%, you get **16.9445, 0.2847, 0.4976**, and if you desaturate by 10%, it is **17.8273, 0.2882, 0.4452**.

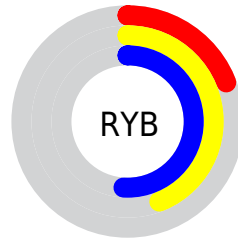
Distribution



Red (19%)

Green (51%)

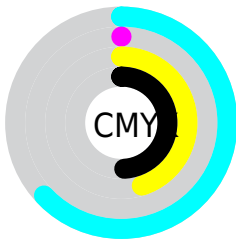
Blue (28%)



Red (19%)

Yellow (44%)

Blue (51%)

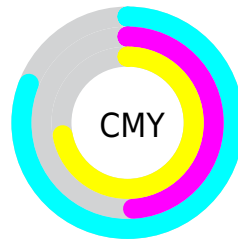


Cyan (63%)

Magenta (0%)

Yellow (45%)

Black (49%)



Cyan (81%)


Magenta (49%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.3289, 0.2858, 0.4715 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 17.3289, 0.2858, 0.4715 by changing the saturation by 10% instead.


 17.3289, 0.2858,
0.4715


 17.3289, 0.2858,
0.4715

237.0607, 0.3044,
0.3834


 10.4693, 0.2780,
0.5019


 38.8904, 0.2945,
0.4341


 5.7112, 0.2649,
0.5476

 54.3611, 0.2971,
0.4218


 2.6703, 0.2435,
0.6316

 73.4709, 0.2990,
0.4121

 0.9621, 0.0000,
1.0000

 96.6042, 0.3006,
0.4042

 0.0000, 0.0000,
0.0000

 124.1454, 0.3018,
0.3977

 156.4790, 0.3029,

0.3922

193.9893, 0.3037,
0.3875

■ 17.3289, 0.2858,
0.4715

■ 17.3289, 0.2858,
0.4715

■ 16.9445, 0.2847,
0.4976

■ 17.8273, 0.2882,
0.4452

■ 16.6624, 0.2850,
0.5222

■ 18.4457, 0.2917,
0.4195

■ 16.4722, 0.2869,
0.5443

■ 19.1925, 0.2960,
0.3953

■ 16.3731, 0.2882,
0.5574

■ 20.0745, 0.3008,
0.3730

■ 21.0980, 0.3058,
0.3527

■ 22.2690, 0.3110,
0.3346

■ 23.5933, 0.3161,
0.3186

■ 25.0759, 0.3210,
0.3045

■ 26.7222, 0.3258,
0.2921

Harmonies

Analogous

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



17.3289, 0.3694, 0.4933



17.3289, 0.2858, 0.4715



17.3289, 0.2141, 0.3866

Triad

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



17.3289, 0.2858, 0.4715



17.3289, 0.1863, 0.2002



17.3289, 0.4758, 0.3325

Complementary

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



17.3289, 0.2858, 0.4715



7.9996, 0.3648, 0.2232

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.



17.3289, 0.4117, 0.2741



17.3289, 0.2858, 0.4715



17.3289, 0.2391, 0.2017

Square

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



17.3289, 0.2858, 0.4715



17.3289, 0.1641, 0.2279



17.3289, 0.3203, 0.2279



17.3289, 0.4849, 0.3957

Rectangle

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



17.3289, 0.2858, 0.4715



17.3289, 0.1825, 0.3208



17.3289, 0.3203, 0.2279



17.3289, 0.4598, 0.3122

Sweetspot

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



17.3296, 0.2858, 0.4715



36.6367, 0.3028, 0.3648



19.6029, 0.3677, 0.4880



8.4275, 0.3015, 0.3699



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.



17.3296, 0.2858, 0.4715



30.0987, 0.2846, 0.5086



18.0545, 0.2522, 0.3697



5.2253, 0.3080, 0.3448



16.1160, 0.2881, 0.5572



0.0570, 0.2661, 0.4780

Inverse Universe

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



7.9996, 0.3648, 0.2232



11.9291, 0.3813, 0.2086



7.3311, 0.4616, 0.2969



4.7405, 0.3178, 0.3137



5.5303, 0.4075, 0.2018



0.0204, 0.3606, 0.1760

Previews

White Background



This preview shows how the Yxy color 17.3289, 0.2858, 0.4715 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 17.3289, 0.2858, 0.4715 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 17.3289, 0.2858, 0.4715

Background



This preview shows how black text looks on a background with the Yxy color 17.3289, 0.2858, 0.4715.



This preview shows how white text looks on a background with the Yxy color 17.3289, 0.2858, 0.4715.

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

17.3289, 0.2858, 0.4715

Protanopia

17.0904, 0.3887, 0.4227

Deuteranopia

17.0910, 0.3964, 0.3894



Tritanopia

17.2948, 0.2447, 0.3076

Trichromacy



Original Color

17.3289, 0.2858, 0.4715

Protanomaly

16.6888, 0.3434, 0.4437

Deuteranomaly

16.4681, 0.3466, 0.4205

Tritanomaly

17.2562, 0.2596, 0.3653

Monochromacy



Original Color

17.3289, 0.2858, 0.4715

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

13.7956, 0.2988, 0.3818

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3289, 0.2858, 0.4715 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(48, 131, 72)` looks like.

```
.text, #text, p{  
    color:rgb(48, 131, 72)  
}
```

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(48, 131, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 131, 72) }
```

Border

The CSS property to change the border of an element to Yxy 17.3289, 0.2858, 0.4715 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(48, 131, 72) }
```

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

```
.border{ border-color:rgb(48, 131, 72) }
```

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

Here you see how a box with a 4 pixel rgb(48, 131, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 131, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 131, 72);  
box-shadow:4px 4px 4px 4px rgb(48, 131,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 17.3289, 0.2858, 0.4715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 131, 72) }
```

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

```
.background{ background-color: rgb(48, 131,  
72) }
```

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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