

Converting Colors

$Y_{xy}(17.5593, 0.2878, 0.5375)$

Have a look what the booklet for
Yxy(17.5593, 0.2878, 0.5375)
contains.

Yxy(17.6798, 0.2881, 0.5381)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.6798, 0.2881, 0.5381)

Conversions

Conversions Part 1

Format	Color
Hex	138730
RGB	19, 135, 48
RGB Percent	7%, 53%, 19%
CMY	0.9256, 0.4706, 0.8117
CMYK	0.86, 0.00, 0.64, 0.47
HSL	135°, 75%, 30%
HSV	135°, 86%, 53%
XYZ	9.4658, 17.6798, 5.7104
YIQ	90.3980, -41.2090, -51.6490

Conversions

Conversions Part 2

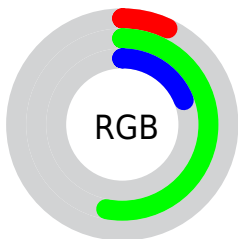
Format	Color
RYB	19, 112, 135
Decimal	1279792
CIELab	49.11, -48.86, 37.39
CIELCh	49, 61.527, 142.579
Yxy	17.6798, 0.2881, 0.5381
Android (android.graphics.Color)	4279469872 (0xFF138730)
YUV	90.3980, -20.9022, -62.6160
Hunter-Lab	42.0474, -33.3985, 21.3811

Details

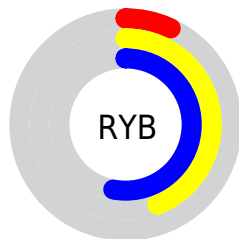
The Yxy color **17.6798, 0.2881, 0.5381** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **6.6564, 0.3803, 0.1974**, and the grayscale version is **10.3727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.3033, 0.2986, 0.4823**, and **6.3406, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **17.5034, 0.2901, 0.5591**, and if you desaturate by 10%, it is **17.9505, 0.2873, 0.5136**.

Distribution



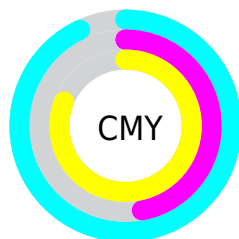
- Red (7%)
- Green (53%)
- Blue (19%)



- Red (7%)
- Yellow (44%)
- Blue (53%)



- Cyan (86%)
- Magenta (0%)
- Yellow (64%)
- Black (47%)





- Cyan (93%)
- Magenta (47%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.6798, 0.2881, 0.5381 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 17.6798, 0.2881, 0.5381 by changing the saturation by 10% instead.


 17.6798, 0.2881,
0.5381


 17.6798, 0.2881,
0.5381

239.0600, 0.3090,
0.4082

 10.7203, 0.2770,
0.5817


 39.4910, 0.2991,
0.4832


 5.8791, 0.2572,
0.6448

 55.1114, 0.3020,
0.4650

 2.7717, 0.2278,
0.7722

 74.3877, 0.3041,
0.4506

 1.0137, 0.0000,
1.0000

 97.7042, 0.3056,
0.4389

 0.0000, 0.0000,
0.0000

 125.4453, 0.3068,
0.4292

 157.9953, 0.3077,

0.4211

195.7388, 0.3084,
0.4141

■ 17.6798, 0.2881,
0.5381

■ 17.6798, 0.2881,
0.5381

■ 17.5034, 0.2901,
0.5591

■ 17.9505, 0.2873,
0.5136

■ 17.4430, 0.2907,
0.5666

■ 18.3297, 0.2880,
0.4869

■ 18.8289, 0.2899,
0.4592

■ 19.4575, 0.2928,
0.4319

■ 20.2239, 0.2966,
0.4058

■ 21.1358, 0.3008,
0.3815

■ 22.2004, 0.3053,
0.3595

■ 23.4243, 0.3100,
0.3397

■ 24.8138, 0.3146,
0.3222

Harmonies

Analogous

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



17.6798, 0.3922, 0.5373



17.6798, 0.2881, 0.5381



17.6798, 0.1956, 0.4293

Triad

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



17.6798, 0.2881, 0.5381



17.6798, 0.1484, 0.1702



17.6798, 0.5183, 0.3136

Complementary

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



17.6798, 0.2881, 0.5381



6.6564, 0.3803, 0.1974

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.



17.6798, 0.4233, 0.2468



17.6798, 0.2881, 0.5381



17.6798, 0.2042, 0.1686

Square

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



17.6798, 0.2881, 0.5381



17.6798, 0.1279, 0.2067



17.6798, 0.3006, 0.1954



17.6798, 0.5363, 0.3877

Rectangle

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



17.6798, 0.2881, 0.5381



17.6798, 0.1544, 0.3346



17.6798, 0.3006, 0.1954



17.6798, 0.4937, 0.2904

Sweetspot

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



17.6805, 0.2881, 0.5381



37.7354, 0.3005, 0.3830



20.4398, 0.3781, 0.5248



8.6207, 0.2992, 0.3901



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



17.6805, 0.2881, 0.5381



31.2130, 0.2917, 0.5701



18.5076, 0.2473, 0.3968



5.2225, 0.3085, 0.3457



16.0858, 0.2906, 0.5660



0.0568, 0.2698, 0.4911

Inverse Universe

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



6.6564, 0.3803, 0.1974



10.8884, 0.3960, 0.1955



5.8295, 0.5395, 0.2923



4.7435, 0.3172, 0.3129



5.6225, 0.3938, 0.1943



0.0206, 0.3542, 0.1725

Previews

White Background



This preview shows how the Yxy color 17.6798, 0.2881, 0.5381 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 17.6798, 0.2881, 0.5381 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 17.6798, 0.2881, 0.5381

Background



This preview shows how black text looks on a background with the Yxy color 17.6798, 0.2881, 0.5381.



This preview shows how white text looks on a background with the Yxy color 17.6798, 0.2881, 0.5381.

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

17.6798, 0.2881, 0.5381

Protanopia

17.4110, 0.4169, 0.4569

Deuteranopia

17.2770, 0.4293, 0.4210



Tritanopia

17.5977, 0.2372, 0.3055

Trichromacy



Original Color

17.6798, 0.2881, 0.5381



Protanomaly

16.5290, 0.3530, 0.4956



Deuteranomaly

16.0474, 0.3596, 0.4700



Tritanomaly

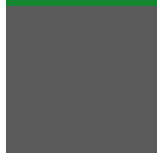
17.2340, 0.2548, 0.3854

Monochromacy



Original Color

17.6798, 0.2881, 0.5381



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

11.9061, 0.2949, 0.4113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6798, 0.2881, 0.5381 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(19, 135, 48)` looks like.

```
.text, #text, p{  
    color:rgb(19, 135, 48)  
}
```

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(19, 135, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 135, 48) }
```

Border

The CSS property to change the border of an element to Yxy 17.6798, 0.2881, 0.5381 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(19, 135, 48) }
```

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

```
.border{ border-color:rgb(19, 135, 48) }
```

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

Here you see how a box with a 4 pixel rgb(19, 135, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 135, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 135, 48);  
box-shadow:4px 4px 4px 4px rgb(19, 135,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6798, 0.2881, 0.5381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 135, 48) }
```

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

```
.background{ background-color: rgb(19, 135,  
48) }
```

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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