

Converting Colors

$Y_{xy}(17.5873, 0.2890, 0.5425)$

Have a look what the booklet for
Yxy(17.5873, 0.2890, 0.5425)
contains.

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Color

Yxy(17.6538, 0.2889, 0.5422)

Conversions

Conversions Part 1

Format	Color
Hex	12872E
RGB	18, 135, 46
RGB Percent	7%, 53%, 18%
CMY	0.9296, 0.4706, 0.8195
CMYK	0.87, 0.00, 0.66, 0.47
HSL	134°, 77%, 30%
HSV	134°, 87%, 53%
XYZ	9.4065, 17.6538, 5.4993
YIQ	89.8710, -41.1630, -52.4830

Conversions

Conversions Part 2

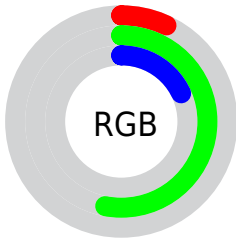
Format	Color
RYB	18, 112, 135
Decimal	1214254
CIELab	49.07, -49.21, 38.27
CIElCh	49, 62.339, 142.132
Yxy	17.6538, 0.2889, 0.5422
Android (android.graphics.Color)	4279404334 (0xFF12872E)
YUV	89.8710, -21.6284, -63.0309
Hunter-Lab	42.0164, -33.5669, 21.6513

Details

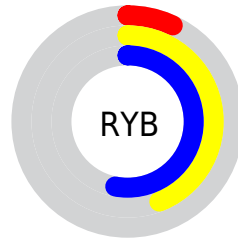
The Yxy color **17.6538, 0.2889, 0.5422** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **6.6427, 0.3782, 0.1954**, and the grayscale version is **10.2487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2660, 0.2997, 0.4855**, and **6.3406, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **17.4835, 0.2908, 0.5628**, and if you desaturate by 10%, it is **17.9157, 0.2881, 0.5179**.

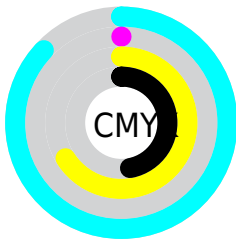
Distribution



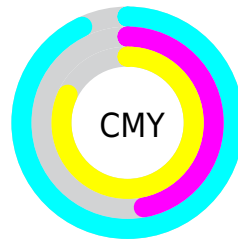
- Red (7%)
- Green (53%)
- Blue (18%)



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



- Cyan (87%)
- Magenta (0%)
- Yellow (66%)
- Black (47%)




- Cyan (93%)
- Magenta (47%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.6538, 0.2889, 0.5422 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 17.6538, 0.2889, 0.5422 by changing the saturation by 10% instead.

 17.6538, 0.2889,
0.5422


 17.6538, 0.2889,
0.5422


238.9124, 0.3096,
0.4097


 10.7017, 0.2777,
0.5865


 39.4465, 0.3000,
0.4863


 5.8666, 0.2574,
0.6506

 55.0559, 0.3029,
0.4677

 2.7642, 0.2257,
0.7743

 74.3200, 0.3049,
0.4530

 1.0099, 0.0000,
1.0000

 97.6229, 0.3064,
0.4411

 0.0000, 0.0000,
0.0000

 125.3493, 0.3075,
0.4312

 157.8834, 0.3084,

0.4229

195.6096, 0.3091,
0.4158

■ 17.6538, 0.2889,
0.5422

■ 17.6538, 0.2889,
0.5422

■ 17.4835, 0.2908,
0.5628

■ 17.9157, 0.2881,
0.5179

■ 17.4351, 0.2913,
0.5688

■ 18.2858, 0.2886,
0.4911

■ 18.7756, 0.2903,
0.4632

■ 19.3946, 0.2932,
0.4354

■ 20.1514, 0.2967,
0.4088

■ 21.0538, 0.3008,
0.3841

■ 22.1090, 0.3052,
0.3615

■ 23.3238, 0.3097,
0.3413

■ 24.7044, 0.3142,
0.3233

Harmonies

Analogous

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



17.6538, 0.3940, 0.5389



17.6538, 0.2889, 0.5422



17.6538, 0.1952, 0.4330

Triad

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



17.6538, 0.2889, 0.5422



17.6538, 0.1462, 0.1688



17.6538, 0.5200, 0.3120

Complementary

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



17.6538, 0.2889, 0.5422



6.6427, 0.3782, 0.1954

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.



17.6538, 0.4228, 0.2449



17.6538, 0.2889, 0.5422



17.6538, 0.2018, 0.1668

Square

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



17.6538, 0.2889, 0.5422



17.6538, 0.1261, 0.2060



17.6538, 0.2986, 0.1934



17.6538, 0.5391, 0.3865

Rectangle

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



17.6538, 0.2889, 0.5422



17.6538, 0.1533, 0.3364



17.6538, 0.2986, 0.1934



17.6538, 0.4948, 0.2886

Sweetspot

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



17.6545, 0.2889, 0.5422



37.7212, 0.3009, 0.3838



20.5413, 0.3805, 0.5239



8.6171, 0.2996, 0.3910



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.



17.6545, 0.2889, 0.5422



31.1996, 0.2923, 0.5722



18.4523, 0.2486, 0.4024



5.2217, 0.3086, 0.3459



16.0785, 0.2912, 0.5682



0.0567, 0.2708, 0.4948

Inverse Universe

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



6.6427, 0.3782, 0.1954



10.9387, 0.3924, 0.1935



5.8058, 0.5370, 0.2896



4.7442, 0.3171, 0.3126



5.6480, 0.3903, 0.1923



0.0207, 0.3526, 0.1716

Previews

White Background



This preview shows how the Yxy color 17.6538, 0.2889, 0.5422 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 17.6538, 0.2889, 0.5422 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 17.6538, 0.2889, 0.5422

Background



This preview shows how black text looks on a background with the Yxy color 17.6538, 0.2889, 0.5422.



This preview shows how white text looks on a background with the Yxy color 17.6538, 0.2889, 0.5422.

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

17.6538, 0.2889, 0.5422

Protanopia

17.3967, 0.4186, 0.4594

Deuteranopia

17.2578, 0.4314, 0.4238



Tritanopia

17.5691, 0.2379, 0.3075

Trichromacy



Original Color

17.6538, 0.2889, 0.5422



Protanomaly

16.4642, 0.3532, 0.4996



Deuteranomaly

16.0293, 0.3614, 0.4737



Tritanomaly

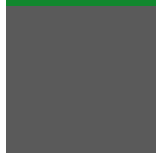
17.1934, 0.2564, 0.3904

Monochromacy



Original Color

17.6538, 0.2889, 0.5422



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

11.8925, 0.2961, 0.4140

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6538, 0.2889, 0.5422 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(18, 135, 46)` looks like.

```
.text, #text, p{  
    color:rgb(18, 135, 46)  
}
```

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(18, 135, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 135, 46) }
```

Border

The CSS property to change the border of an element to Yxy 17.6538, 0.2889, 0.5422 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(18, 135, 46) }
```

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

```
.border{ border-color:rgb(18, 135, 46) }
```

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

Here you see how a box with a 4 pixel rgb(18, 135, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 135, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 135, 46);  
box-shadow:4px 4px 4px 4px rgb(18, 135,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6538, 0.2889, 0.5422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 135, 46) }
```

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

```
.background{ background-color: rgb(18, 135,  
46) }
```

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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