

Converting Colors

$Y_{xy}(17.4829, 0.3005, 0.5883)$

Have a look what the booklet for
Yxy(17.4829, 0.3005, 0.5883)
contains.

Yxy(17.4452, 0.3003, 0.5880)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(17.4452, 0.3003, 0.5880)

Conversions

Conversions Part 1

Format	Color
Hex	0D870E
RGB	13, 135, 14
RGB Percent	5%, 53%, 5%
CMY	0.9490, 0.4706, 0.9450
CMYK	0.90, 0.00, 0.90, 0.47
HSL	120°, 82%, 29%
HSV	120°, 90%, 53%
XYZ	8.9095, 17.4452, 3.3140
YIQ	84.7280, -33.8710, -63.4950

Conversions

Conversions Part 2

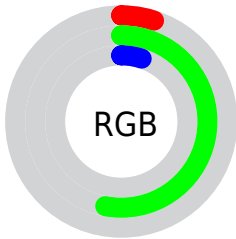
Format	Color
RYB	13, 134, 135
Decimal	886542
CIELab	48.82, -52.25, 49.31
CIELCh	49, 71.842, 136.659
Yxy	17.4452, 0.3003, 0.5880
Android (android.graphics.Color)	4279076622 (0xFF0D870E)
YUV	84.7280, -34.8689, -62.9055
Hunter-Lab	41.7675, -35.0168, 24.5329

Details

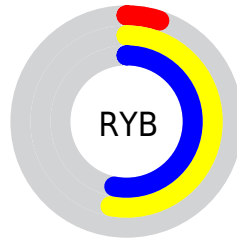
The Yxy color **17.4452, 0.3003, 0.5880** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **7.1602, 0.3225, 0.1599**, and the grayscale version is **9.1061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.8893, 0.3123, 0.5213**, and **6.1865, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **17.3309, 0.2998, 0.5992**, and if you desaturate by 10%, it is **17.6360, 0.3010, 0.5704**.

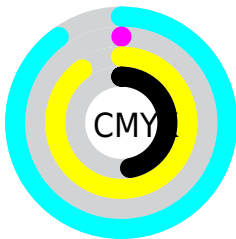
Distribution



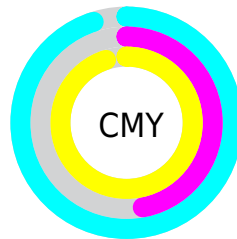
- Red (5%)
- Green (53%)
- Blue (5%)



- Red (5%)
- Yellow (53%)
- Blue (53%)



- Cyan (90%)
- Magenta (0%)
- Yellow (90%)
- Black (47%)




- Cyan (95%)
- Magenta (47%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.4452, 0.3003, 0.5880 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 17.4452, 0.3003, 0.5880 by changing the saturation by 10% instead.


 17.4452, 0.3003,
0.5880


 17.4452, 0.3003,
0.5880


237.7250, 0.3188,
0.4284


 10.5524, 0.2864,
0.6377


 39.0897, 0.3124,
0.5221


 5.7667, 0.2687,
0.7280

 54.6101, 0.3150,
0.4996

 2.7038, 0.2067,
0.7933

 73.7753, 0.3167,
0.4817

 0.9791, 0.0000,
1.0000


 96.9695, 0.3176,
0.4670


 0.0000, 0.0000,
0.0000

 124.5772, 0.3182,
0.4549


 156.9827, 0.3186,


0.4447


 194.5706, 0.3188,
0.4359


 17.4452, 0.3003,
0.5880


 17.4452, 0.3003,
0.5880


 17.3309, 0.2998,
0.5992

 17.6360, 0.3010,
0.5704

 17.9386, 0.3021,
0.5453

 18.3676, 0.3035,
0.5147

 18.9346, 0.3051,
0.4809

 19.6502, 0.3068,
0.4465

■ 20.5236, 0.3084,
0.4132

■ 21.5637, 0.3100,
0.3823

■ 22.7784, 0.3114,
0.3545

■ 24.1753, 0.3127,
0.3298

Harmonies

Analogous

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



17.4452, 0.4157, 0.5503



17.4452, 0.3003, 0.5880



17.4452, 0.1932, 0.4823

Triad

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



17.4452, 0.3003, 0.5880



17.4452, 0.1223, 0.1546



17.4452, 0.5363, 0.2914

Complementary

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



17.4452, 0.3003, 0.5880



7.1602, 0.3225, 0.1599

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.



17.4452, 0.4122, 0.2219



17.4452, 0.3003, 0.5880



17.4452, 0.1738, 0.1477

Square

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



17.4452, 0.3003, 0.5880



17.4452, 0.1068, 0.2011



17.4452, 0.2718, 0.1710



17.4452, 0.5707, 0.3687

Rectangle

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



17.4452, 0.3003, 0.5880



17.4452, 0.1430, 0.3645



17.4452, 0.2718, 0.1710



17.4452, 0.5023, 0.2671

Sweetspot

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



17.4459, 0.3003, 0.5880



37.2354, 0.3088, 0.4044



22.5086, 0.4164, 0.5005



8.5049, 0.3084, 0.4137



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.



17.4459, 0.3003, 0.5880



31.0343, 0.2998, 0.5994



17.9087, 0.2693, 0.4791



5.2053, 0.3116, 0.3512



15.9809, 0.2998, 0.5992



0.0554, 0.2988, 0.5955

Inverse Universe

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



7.1602, 0.3225, 0.1599



12.2992, 0.3230, 0.1553



5.9338, 0.4674, 0.2439



4.7622, 0.3138, 0.3078



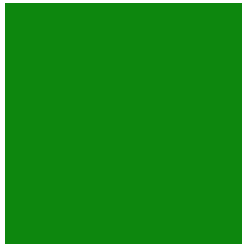
6.3339, 0.3229, 0.1553



0.0220, 0.3219, 0.1547

Previews

White Background



This preview shows how the Yxy color 17.4452, 0.3003, 0.5880 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 17.4452, 0.3003, 0.5880 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 17.4452, 0.3003, 0.5880

Background



This preview shows how black text looks on a background with the Yxy color 17.4452, 0.3003, 0.5880.



This preview shows how white text looks on a background with the Yxy color 17.4452, 0.3003, 0.5880.

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

17.4452, 0.3003, 0.5880

Protanopia

17.2454, 0.4378, 0.4879

Deuteranopia

17.2759, 0.4541, 0.4479



Tritanopia

17.5988, 0.2386, 0.3076

Trichromacy



Original Color

17.4452, 0.3003, 0.5880



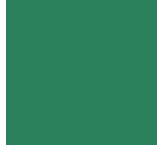
Protanomaly

16.2097, 0.3681, 0.5396



Deuteranomaly

15.8052, 0.3792, 0.5121



Tritanomaly

16.9655, 0.2649, 0.4185

Monochromacy



Original Color

17.4452, 0.3003, 0.5880



Achromatopsia

9.0842, 0.3127, 0.3290



Achromatomaly

10.9461, 0.3070, 0.4514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4452, 0.3003, 0.5880 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(13, 135, 14)` looks like.

```
.text, #text, p{  
    color:rgb(13, 135, 14)  
}
```

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(13, 135, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 135, 14) }
```

Border

The CSS property to change the border of an element to Yxy 17.4452, 0.3003, 0.5880 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(13, 135, 14) }
```

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

```
.border{ border-color:rgb(13, 135, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 135, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 135, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 135, 14);  
box-shadow:4px 4px 4px 4px rgb(13, 135,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4452, 0.3003, 0.5880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 135, 14) }
```

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

```
.background{ background-color: rgb(13, 135,  
14) }
```

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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