

Converting Colors

$Y_{xy}(17.3545, 0.2977, 0.5919)$

Have a look what the booklet for
Yxy(17.3545, 0.2977, 0.5919)
contains.

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Color

Yxy(17.3545, 0.2977, 0.5919)

Conversions

Conversions Part 1

Format	Color
Hex	00870C
RGB	0, 135, 12
RGB Percent	0%, 53%, 5%
CMY	1.0000, 0.4706, 0.9530
CMYK	1.00, 0.00, 0.91, 0.47
HSL	125°, 100%, 26%
HSV	125°, 100%, 53%
XYZ	8.7286, 17.3545, 3.2369
YIQ	80.6130, -40.9770, -66.8730

Conversions

Conversions Part 2

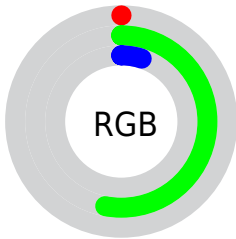
Format	Color
RYB	0, 124, 135
Decimal	34572
CIELab	48.70, -53.31, 49.60
CIELCh	49, 72.819, 137.065
Yxy	17.3545, 0.2977, 0.5919
Android (android.graphics.Color)	4278224652 (0xFF00870C)
YUV	80.6130, -33.8262, -70.6976
Hunter-Lab	41.6587, -35.5025, 24.5542

Details

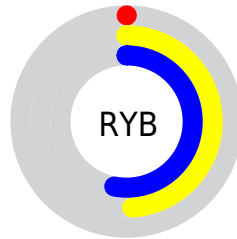
The Yxy color **17.3545, 0.2977, 0.5919** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **6.5820, 0.3439, 0.1668**, and the grayscale version is **8.2226, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.1667, 0.3108, 0.5245**, and **6.1865, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **17.3564, 0.2977, 0.5919**, and if you desaturate by 10%, it is **17.4865, 0.2975, 0.5776**.

Distribution



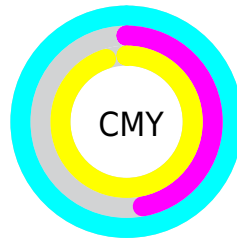
- Red (0%)
- Green (53%)
- Blue (5%)



- Red (0%)
- Yellow (49%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (91%)
- Black (47%)





- Cyan (100%)
- Magenta (47%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.3545, 0.2977, 0.5919 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 17.3545, 0.2977, 0.5919 by changing the saturation by 10% instead.


 17.3545, 0.2977,
0.5919


 17.3545, 0.2977,
0.5919


237.2071, 0.3180,
0.4296


 10.4876, 0.2830,
0.6424


 38.9343, 0.3107,
0.5248


 5.7234, 0.2645,
0.7355

 54.4159, 0.3135,
0.5020


 2.6776, 0.1993,
0.8007

 73.5379, 0.3153,
0.4837

 0.9658, 0.0000,
1.0000


 96.6847, 0.3165,
0.4689


 0.0000, 0.0000,
0.0000


 124.2406, 0.3172,
0.4565


 156.5900, 0.3176,


0.4461


 194.1174, 0.3179,
0.4373


 17.3545, 0.2977,
0.5919


 17.3545, 0.2977,
0.5919

 17.3564, 0.2977,
0.5919

 17.4865, 0.2975,
0.5776

 17.6939, 0.2973,
0.5569

 18.0120, 0.2977,
0.5304

 18.4533, 0.2989,
0.4999

 19.0287, 0.3007,
0.4678

■ 19.7480, 0.3029,
0.4357

■ 20.6201, 0.3053,
0.4051

■ 21.6530, 0.3078,
0.3769

■ 22.8542, 0.3103,
0.3515

Harmonies

Analogous

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



17.3545, 0.4143, 0.5537



17.3545, 0.2977, 0.5919



17.3545, 0.1901, 0.4827

Triad

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



17.3545, 0.2977, 0.5919



17.3545, 0.1209, 0.1524



17.3545, 0.5407, 0.2916

Complementary

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



17.3545, 0.2977, 0.5919



6.5820, 0.3439, 0.1668

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.



17.3545, 0.4155, 0.2215



17.3545, 0.2977, 0.5919



17.3545, 0.1732, 0.1460

Square

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



17.3545, 0.2977, 0.5919



17.3545, 0.1047, 0.1983



17.3545, 0.2728, 0.1698



17.3545, 0.5735, 0.3693

Rectangle

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



17.3545, 0.2977, 0.5919



17.3545, 0.1401, 0.3624



17.3545, 0.2728, 0.1698



17.3545, 0.5067, 0.2671

Sweetspot

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



17.3564, 0.2977, 0.5919



36.8088, 0.3052, 0.4071



21.5968, 0.4052, 0.5165



8.3858, 0.3043, 0.4181



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.



17.3564, 0.2977, 0.5919



31.0674, 0.2983, 0.5938



17.8908, 0.2633, 0.4680



5.2110, 0.3105, 0.3494



16.0040, 0.2976, 0.5915



0.0559, 0.2877, 0.5556

Inverse Universe

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



6.5820, 0.3439, 0.1668



11.7737, 0.3445, 0.1671



5.4395, 0.5248, 0.2665



4.7559, 0.3150, 0.3094



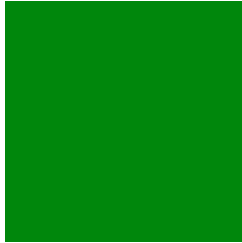
6.0697, 0.3439, 0.1668



0.0215, 0.3314, 0.1599

Previews

White Background



This preview shows how the Yxy color 17.3545, 0.2977, 0.5919 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 17.3545, 0.2977, 0.5919 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 17.3545, 0.2977, 0.5919

Background



This preview shows how black text looks on a background with the Yxy color 17.3545, 0.2977, 0.5919.



This preview shows how white text looks on a background with the Yxy color 17.3545, 0.2977, 0.5919.

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

17.3545, 0.2977, 0.5919

Protanopia

17.2366, 0.4390, 0.4897

Deuteranopia

17.0559, 0.4563, 0.4474



Tritanopia

17.5691, 0.2379, 0.3075

Trichromacy



Original Color

17.3545, 0.2977, 0.5919



Protanomaly

16.0137, 0.3639, 0.5460



Deuteranomaly

15.2981, 0.3737, 0.5170



Tritanomaly

16.8309, 0.2624, 0.4219

Monochromacy



Original Color

17.3545, 0.2977, 0.5919



Achromatopsia

8.2283, 0.3127, 0.3290



Achromatomaly

10.3229, 0.3017, 0.4591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3545, 0.2977, 0.5919 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(0, 135, 12)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 12)  
}
```

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(0, 135, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 12) }
```

Border

The CSS property to change the border of an element to Yxy 17.3545, 0.2977, 0.5919 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(0, 135, 12) }
```

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

```
.border{ border-color:rgb(0, 135, 12) }
```

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

Here you see how a box with a 4 pixel rgb(0, 135, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 12);  
box-shadow:4px 4px 4px 4px rgb(0, 135, 12)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.3545, 0.2977, 0.5919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 135, 12) }
```

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

```
.background{ background-color: rgb(0, 135,  
12) }
```

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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