

Converting Colors

$Y_{xy}(17.4529, 0.3029, 0.5977)$

Have a look what the booklet for
Yxy(17.4529, 0.3029, 0.5977)
contains.

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Color

Yxy(17.4135, 0.3030, 0.5976)

Conversions

Conversions Part 1

Format	Color
Hex	0D8700
RGB	13, 135, 0
RGB Percent	5%, 53%, 0%
CMY	0.9493, 0.4706, 0.9999
CMYK	0.90, 0.00, 1.00, 0.47
HSL	114°, 100%, 26%
HSV	114°, 100%, 53%
XYZ	8.8291, 17.4135, 2.8964
YIQ	83.1320, -29.3770, -67.8490

Conversions

Conversions Part 2

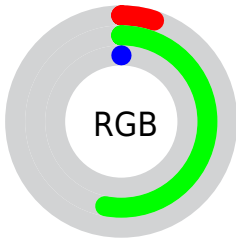
Format	Color
R_{YB}	0, 135, 122
Decimal	886528
CIE Lab	48.78, -52.77, 51.98
CIE LCh	49, 74.069, 135.429
Yxy	17.4135, 0.3030, 0.5976
Android (android.graphics.Color)	4279076608 (0xFF0D8700)
YUV	83.1320, -40.9841, -61.5058
Hunter-Lab	41.7295, -35.2595, 25.0954

Details

The Yxy color **17.4135, 0.3030, 0.5976** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **5.8963, 0.2976, 0.1413**, and the grayscale version is **8.7641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.8031, 0.3155, 0.5304**, and **6.1865, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **17.4139, 0.3030, 0.5976**, and if you desaturate by 10%, it is **17.5680, 0.3046, 0.5852**.

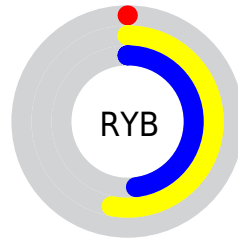
Distribution



Red (5%)

Green (53%)

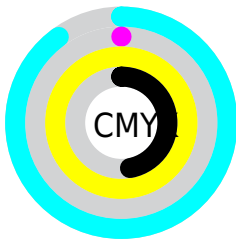
Blue (0%)



Red (0%)

Yellow (53%)

Blue (48%)

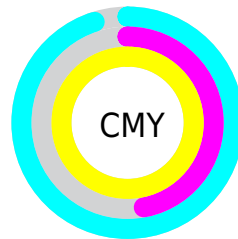


Cyan (90%)

Magenta (0%)

Yellow (100%)

Black (47%)



Cyan (95%)


Magenta (47%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.4135, 0.3030, 0.5976 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 17.4135, 0.3030, 0.5976 by changing the saturation by 10% instead.


 17.4135, 0.3030,
0.5976


 17.4135, 0.3030,
0.5976


237.5441, 0.3212,
0.4328


 10.5297, 0.2882,
0.6477


 39.0354, 0.3155,
0.5300


 5.7516, 0.2672,
0.7328

 54.5423, 0.3182,
0.5069


 2.6946, 0.2033,
0.7967

 73.6923, 0.3197,
0.4882

 0.9745, 0.0000,
1.0000


 96.8700, 0.3205,
0.4730


 0.0000, 0.0000,
0.0000


 124.4596, 0.3210,
0.4604


 156.8456, 0.3212,


0.4497


 194.4123, 0.3213,
0.4406


 17.4135, 0.3030,
0.5976

 17.4135, 0.3030,
0.5976


 17.4139, 0.3030,
0.5976

 17.5680, 0.3046,
0.5852

 17.8081, 0.3068,
0.5669

 18.1528, 0.3088,
0.5416

 18.6124, 0.3105,
0.5112

 19.1957, 0.3117,
0.4781

■ 19.9111, 0.3125,
0.4443

■ 20.7659, 0.3130,
0.4116

■ 21.7669, 0.3131,
0.3812

■ 22.9206, 0.3130,
0.3536

Harmonies

Analogous

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



17.4135, 0.4207, 0.5512



17.4135, 0.3030, 0.5976



17.4135, 0.1932, 0.4951

Triad

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



17.4135, 0.3030, 0.5976



17.4135, 0.1172, 0.1517



17.4135, 0.5392, 0.2865

Complementary

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



17.4135, 0.3030, 0.5976



5.8963, 0.2976, 0.1413

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.



17.4135, 0.4087, 0.2166



17.4135, 0.3030, 0.5976



17.4135, 0.1675, 0.1436

Square

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



17.4135, 0.3030, 0.5976



17.4135, 0.1027, 0.2005



17.4135, 0.2652, 0.1660



17.4135, 0.5776, 0.3641

Rectangle

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



17.4135, 0.3030, 0.5976



17.4135, 0.1410, 0.3723



17.4135, 0.2652, 0.1660



17.4135, 0.5031, 0.2620

Sweetspot

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



17.4142, 0.3030, 0.5976



37.0703, 0.3130, 0.4138



18.9497, 0.4375, 0.4908



8.4495, 0.3128, 0.4257



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.



17.4142, 0.3030, 0.5976



31.1484, 0.3023, 0.5982



17.5960, 0.2800, 0.5280



5.2245, 0.3130, 0.3513



16.0598, 0.3031, 0.5975



0.0569, 0.3167, 0.5867

Inverse Universe

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



5.8963, 0.2976, 0.1413



10.5191, 0.2971, 0.1410



5.7463, 0.4498, 0.2252



4.7409, 0.3123, 0.3075



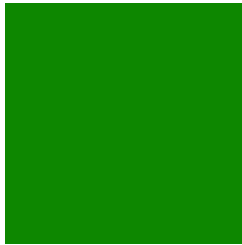
5.4391, 0.2977, 0.1414



0.0205, 0.3099, 0.1481

Previews

White Background



This preview shows how the Yxy color 17.4135, 0.3030, 0.5976 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 17.4135, 0.3030, 0.5976 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 17.4135, 0.3030, 0.5976

Background



This preview shows how black text looks on a background with the Yxy color 17.4135, 0.3030, 0.5976.



This preview shows how white text looks on a background with the Yxy color 17.4135, 0.3030, 0.5976.

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

17.4135, 0.3030, 0.5976

Protanopia

17.2366, 0.4390, 0.4897

Deuteranopia

17.0457, 0.4576, 0.4492



Tritanopia

17.3443, 0.2381, 0.3054

Trichromacy



Original Color

17.4135, 0.3030, 0.5976



Protanomaly

16.1922, 0.3702, 0.5443



Deuteranomaly

15.5419, 0.3836, 0.5176



Tritanomaly

16.8809, 0.2690, 0.4314

Monochromacy



Original Color

17.4135, 0.3030, 0.5976



Achromatopsia

8.6500, 0.3127, 0.3290



Achromatomaly

10.6593, 0.3125, 0.4665

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4135, 0.3030, 0.5976 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(13, 135, 0)  
}
```

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, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 135, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.4135, 0.3030, 0.5976 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, 0) }
```

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

```
.border{ border-color:rgb(13, 135, 0) }
```

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, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 135, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 135, 0);  
box-shadow:4px 4px 4px 4px rgb(13, 135, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.4135, 0.3030, 0.5976 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, 0) }
```

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

```
.background{ background-color: rgb(13, 135,  
0) }
```

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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