

Converting Colors

$Y_{xy}(17.3845, 0.2987, 0.5955)$

Have a look what the booklet for
Yxy(17.3845, 0.2987, 0.5955)
contains.

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Color

Yxy(17.3433, 0.2987, 0.5953)

Conversions

Conversions Part 1

Format	Color
Hex	008707
RGB	0, 135, 7
RGB Percent	0%, 53%, 3%
CMY	0.9999, 0.4706, 0.9728
CMYK	1.00, 0.00, 0.95, 0.47
HSL	123°, 100%, 26%
HSV	123°, 100%, 53%
XYZ	8.7022, 17.3433, 3.0882
YIQ	80.0430, -39.3720, -68.4280

Conversions

Conversions Part 2

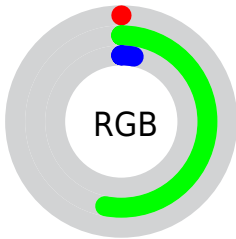
Format	Color
RYB	0, 128, 135
Decimal	34567
CIELab	48.69, -53.48, 50.54
CIELCh	49, 73.583, 136.618
Yxy	17.3433, 0.2987, 0.5953
Android (android.graphics.Color)	4278224647 (0xFF008707)
YUV	80.0430, -36.0102, -70.1977
Hunter-Lab	41.6453, -35.5797, 24.7551

Details

The Yxy color **17.3433, 0.2987, 0.5953** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **6.7120, 0.3338, 0.1613**, and the grayscale version is **8.1086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.1414, 0.3117, 0.5272**, and **6.1865, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **17.3439, 0.2987, 0.5953**, and if you desaturate by 10%, it is **17.4679, 0.2989, 0.5827**.

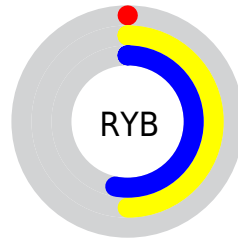
Distribution



Red (0%)

Green (53%)

Blue (3%)



Red (0%)

Yellow (50%)

Blue (53%)

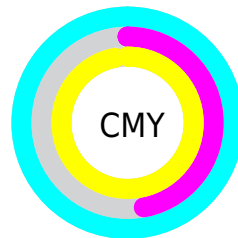


Cyan (100%)

Magenta (0%)

Yellow (95%)

Black (47%)



Cyan (100%)


Magenta (47%)

Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.3433, 0.2987, 0.5953 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 17.3433, 0.2987, 0.5953 by changing the saturation by 10% instead.


 17.3433, 0.2987,
0.5953


 17.3433, 0.2987,
0.5953


237.1430, 0.3189,
0.4312


 10.4796, 0.2837,
0.6460


 38.9151, 0.3118,
0.5276


 5.7181, 0.2638,
0.7362

 54.3919, 0.3147,
0.5045


 2.6744, 0.1982,
0.8018

 73.5086, 0.3164,
0.4861

 0.9642, 0.0000,
1.0000


 96.6495, 0.3175,
0.4710


 0.0000, 0.0000,
0.0000

 124.1990, 0.3182,
0.4584


 156.5414, 0.3186,


0.4479

 194.0613, 0.3188,
0.4389


 17.3433, 0.2987,
0.5953


 17.3433, 0.2987,
0.5953


 17.3439, 0.2987,
0.5953

 17.4679, 0.2989,
0.5827

 17.6693, 0.2991,
0.5631

 17.9826, 0.2999,
0.5370

 18.4208, 0.3011,
0.5063

 18.9952, 0.3028,
0.4733

■ 19.7158, 0.3047,
0.4401

■ 20.5916, 0.3068,
0.4083

■ 21.6311, 0.3089,
0.3789

■ 22.8419, 0.3108,
0.3524

Harmonies

Analogous

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



17.3433, 0.4161, 0.5539



17.3433, 0.2987, 0.5953



17.3433, 0.1901, 0.4872

Triad

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



17.3433, 0.2987, 0.5953



17.3433, 0.1191, 0.1514



17.3433, 0.5417, 0.2898

Complementary

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



17.3433, 0.2987, 0.5953



6.7120, 0.3338, 0.1613

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.



17.3433, 0.4142, 0.2196



17.3433, 0.2987, 0.5953



17.3433, 0.1709, 0.1446

Square

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



17.3433, 0.2987, 0.5953



17.3433, 0.1033, 0.1981



17.3433, 0.2704, 0.1681



17.3433, 0.5759, 0.3676

Rectangle

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



17.3433, 0.2987, 0.5953



17.3433, 0.1394, 0.3652



17.3433, 0.2704, 0.1681



17.3433, 0.5069, 0.2653

Sweetspot

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



17.3440, 0.2987, 0.5953



36.7573, 0.3066, 0.4104



21.9376, 0.4109, 0.5120



8.3732, 0.3059, 0.4219



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.



17.3440, 0.2987, 0.5953



31.0509, 0.2990, 0.5966



17.8267, 0.2665, 0.4795



5.2083, 0.3110, 0.3502



15.9932, 0.2986, 0.5951



0.0556, 0.2926, 0.5734

Inverse Universe

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



6.7120, 0.3338, 0.1613



12.0113, 0.3341, 0.1614



5.4859, 0.5112, 0.2590



4.7588, 0.3144, 0.3087



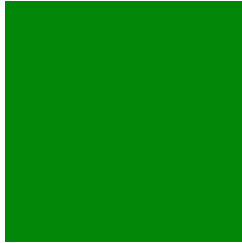
6.1893, 0.3338, 0.1612



0.0218, 0.3268, 0.1574

Previews

White Background



This preview shows how the Yxy color 17.3433, 0.2987, 0.5953 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 17.3433, 0.2987, 0.5953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

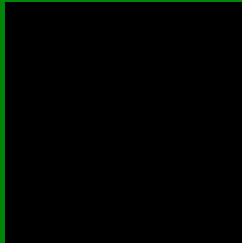
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.3433, 0.2987, 0.5953

Background



This preview shows how black text looks on a background with the Yxy color 17.3433, 0.2987, 0.5953.



This preview shows how white text looks on a background with the Yxy color 17.3433, 0.2987, 0.5953.

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

17.3433, 0.2987, 0.5953

Protanopia

17.2366, 0.4390, 0.4897

Deuteranopia

17.0508, 0.4570, 0.4483



Tritanopia

17.5691, 0.2379, 0.3075

Trichromacy



Original Color

17.3433, 0.2987, 0.5953



Protanomaly

16.0115, 0.3641, 0.5466



Deuteranomaly

15.2901, 0.3747, 0.5191



Tritanomaly

16.7969, 0.2640, 0.4271

Monochromacy



Original Color

17.3433, 0.2987, 0.5953



Achromatopsia

8.0220, 0.3127, 0.3290



Achromatomaly

10.0752, 0.3038, 0.4663

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3433, 0.2987, 0.5953 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, 7)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 7)  
}
```

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, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 7) }
```

Border

The CSS property to change the border of an element to Yxy 17.3433, 0.2987, 0.5953 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, 7) }
```

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

```
.border{ border-color:rgb(0, 135, 7) }
```

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, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 135, 7); box-shadow:4px  
4px 4px 4px rgb(0, 135, 7) }
```


Background

The CSS property to change the background color of an element to Yxy 17.3433, 0.2987, 0.5953 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, 7) }
```

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

```
.background{ background-color: rgb(0, 135,  
7) }
```

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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