

Converting Colors

$Yxy(16.7945, 0.3209, 0.6506)$

Have a look what the booklet for
Yxy(16.7945, 0.3209, 0.6506)
contains.

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Color

Yxy(16.9135, 0.3050, 0.5960)

Conversions

Conversions Part 1

Format	Color
Hex	138500
RGB	19, 133, 0
RGB Percent	7%, 52%, 0%
CMY	0.9257, 0.4784, 0.9998
CMYK	0.86, 0.00, 1.00, 0.48
HSL	111°, 100%, 26%
HSV	111°, 100%, 52%
XYZ	8.6554, 16.9135, 2.8095
YIQ	83.7520, -25.2510, -65.5310

Conversions

Conversions Part 2

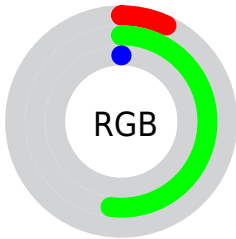
Format	Color
RYB	0, 133, 114
Decimal	1279232
CIELab	48.15, -51.56, 51.51
CIELCh	48, 72.880, 135.032
Yxy	16.9135, 0.3050, 0.5960
Android (android.graphics.Color)	4279469312 (0xFF138500)
YUV	83.7520, -41.2897, -56.7875
Hunter-Lab	41.1260, -34.4034, 24.7379

Details

The Yxy color **16.9135, 0.3050, 0.5960** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **5.2791, 0.2862, 0.1351**, and the grayscale version is **8.9003, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0461, 0.3171, 0.5282**, and **6.0346, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **16.9137, 0.3050, 0.5960**, and if you desaturate by 10%, it is **17.0875, 0.3073, 0.5829**.

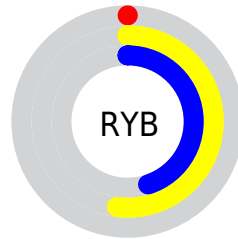
Distribution



Red (7%)

Green (52%)

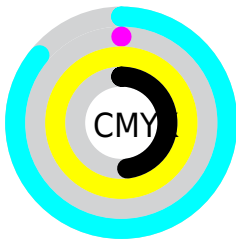
Blue (0%)



Red (0%)

Yellow (52%)

Blue (45%)

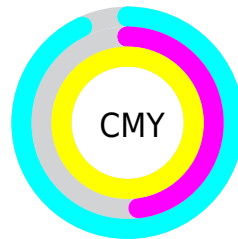


Cyan (86%)

Magenta (0%)

Yellow (100%)

Black (48%)



Cyan (93%)


Magenta (48%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.9135, 0.3050, 0.5960 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 16.9135, 0.3050, 0.5960 by changing the saturation by 10% instead.


 16.9135, 0.3050,
0.5960


 16.9135, 0.3050,
0.5960


234.6734, 0.3220,
0.4317


 10.1728, 0.2904,
0.6462


 38.1770, 0.3171,
0.5285


 5.5137, 0.2692,
0.7308

 53.4686, 0.3195,
0.5054

 2.5517, 0.2033,
0.7967

 72.3793, 0.3209,
0.4868

 0.9025, 0.0000,
1.0000


 95.2936, 0.3216,
0.4717


 0.0000, 0.0000,
0.0000


 122.5957, 0.3220,
0.4591


 154.6701, 0.3221,

0.4485


 191.9012, 0.3221,
0.4395


 16.9135, 0.3050,
0.5960


 16.9135, 0.3050,
0.5960


 16.9137, 0.3050,
0.5960

 17.0875, 0.3073,
0.5829

 17.3410, 0.3100,
0.5643

 17.6906, 0.3123,
0.5391

 18.1452, 0.3139,
0.5091

 18.7122, 0.3149,
0.4764

■ 19.3988, 0.3152,
0.4432

■ 20.2113, 0.3151,
0.4110

■ 21.1555, 0.3145,
0.3809

■ 22.2370, 0.3137,
0.3534

Harmonies

Analogous

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



16.9135, 0.4221, 0.5492



16.9135, 0.3050, 0.5960



16.9135, 0.1953, 0.4961

Triad

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



16.9135, 0.3050, 0.5960



16.9135, 0.1176, 0.1529



16.9135, 0.5366, 0.2859

Complementary

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



16.9135, 0.3050, 0.5960



5.2791, 0.2862, 0.1351

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.



16.9135, 0.4061, 0.2164



16.9135, 0.3050, 0.5960



16.9135, 0.1672, 0.1443

Square

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



16.9135, 0.3050, 0.5960



16.9135, 0.1036, 0.2023



16.9135, 0.2639, 0.1662



16.9135, 0.5765, 0.3633

Rectangle

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



16.9135, 0.3050, 0.5960



16.9135, 0.1428, 0.3745



16.9135, 0.2639, 0.1662



16.9135, 0.5003, 0.2615

Sweetspot

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



16.9142, 0.3050, 0.5960



36.0800, 0.3151, 0.4132



16.8107, 0.4476, 0.4828



8.0067, 0.3152, 0.4246



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.9142, 0.3050, 0.5960



30.2430, 0.3041, 0.5967



16.9784, 0.2839, 0.5420



5.2342, 0.3136, 0.3513



16.1119, 0.3051, 0.5960



0.0577, 0.3243, 0.5807

Inverse Universe

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



5.2791, 0.2862, 0.1351



9.3992, 0.2854, 0.1346



5.6673, 0.4302, 0.2144



4.7302, 0.3116, 0.3074



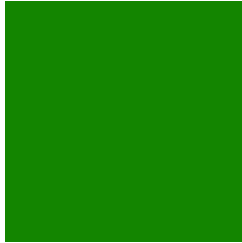
5.0294, 0.2863, 0.1351



0.0197, 0.3043, 0.1450

Previews

White Background



This preview shows how the Yxy color 16.9135, 0.3050, 0.5960 looks on a white background.

Color Contrast Check

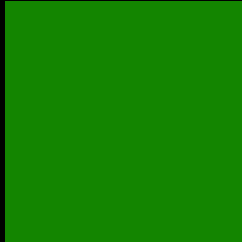
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9135, 0.3050, 0.5960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

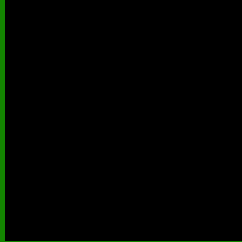
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9135, 0.3050, 0.5960

Background



This preview shows how black text looks on a background with the Yxy color 16.9135, 0.3050, 0.5960.



This preview shows how white text looks on a background with the Yxy color 16.9135, 0.3050, 0.5960.

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

16.9135, 0.3050, 0.5960

Protanopia

16.6238, 0.4393, 0.4894

Deuteranopia

16.6535, 0.4565, 0.4495



Tritanopia

17.0361, 0.2391, 0.3073

Trichromacy



Original Color

16.9135, 0.3050, 0.5960

Protanomaly

15.7495, 0.3735, 0.5416

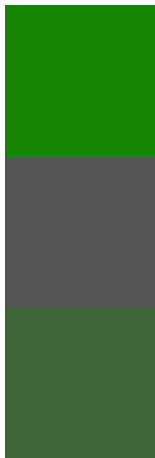
Deuteranomaly

15.3629, 0.3861, 0.5155

Tritanomaly

16.3701, 0.2713, 0.4325

Monochromacy



Original Color

16.9135, 0.3050, 0.5960

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

10.7204, 0.3151, 0.4654

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9135, 0.3050, 0.5960 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(19, 133, 0)` looks like.

```
.text, #text, p{  
    color:rgb(19, 133, 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(19, 133, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 133, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.9135, 0.3050, 0.5960 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(19, 133, 0) }
```

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

```
.border{ border-color:rgb(19, 133, 0) }
```

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

Here you see how a box with a 4 pixel rgb(19, 133, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 133, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 133, 0);  
box-shadow:4px 4px 4px 4px rgb(19, 133, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.9135, 0.3050, 0.5960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 133, 0) }
```

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

```
.background{ background-color: rgb(19, 133,  
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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