

Converting Colors

$Yxy(18.5246, 0.3466, 0.6306)$

Have a look what the booklet for
Yxy(18.5246, 0.3466, 0.6306)
contains.

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Color

Yxy(18.7909, 0.3285, 0.5774)

Conversions

Conversions Part 1

Format	Color
Hex	3A8900
RGB	58, 137, 0
RGB Percent	23%, 54%, 0%
CMY	0.7725, 0.4627, 1.0000
CMYK	0.58, 0.00, 1.00, 0.46
HSL	95°, 100%, 27%
HSV	95°, 100%, 54%
XYZ	10.6907, 18.7909, 3.0624
YIQ	97.7610, -3.1070, -59.3550

Conversions

Conversions Part 2

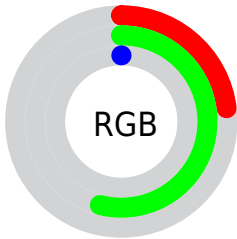
Format	Color
RYB	0, 137, 79
Decimal	3836160
CIELab	50.44, -45.03, 53.73
CIELCh	50, 70.106, 129.964
Yxy	18.7909, 0.3285, 0.5774
Android (android.graphics.Color)	4282026240 (0xFF3A8900)
YUV	97.7610, -48.1962, -34.8704
Hunter-Lab	43.3485, -31.8377, 26.1553

Details

The Yxy color **18.7909, 0.3285, 0.5774** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **3.4683, 0.2203, 0.0987**, and the grayscale version is **12.2750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2998, 0.3348, 0.5182**, and **6.6556, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **18.7918, 0.3285, 0.5774**, and if you desaturate by 10%, it is **19.0779, 0.3329, 0.5638**.

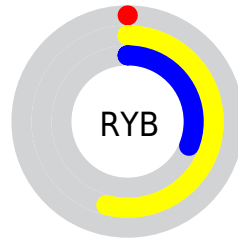
Distribution



Red (23%)

Green (54%)

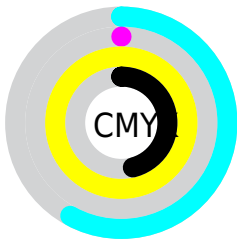
Blue (0%)



Red (0%)

Yellow (54%)

Blue (31%)

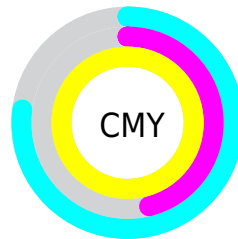


Cyan (58%)

Magenta (0%)

Yellow (100%)

Black (46%)



Cyan (77%)


Magenta (46%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7909, 0.3285, 0.5774 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 18.7909, 0.3285, 0.5774 by changing the saturation by 10% instead.


 18.7909, 0.3285,
0.5774


 18.7909, 0.3285,
0.5774


245.2920, 0.3313,
0.4289


 11.5193, 0.3190,
0.6203


 41.3805, 0.3345,
0.5180

 6.4173, 0.3068,
0.6932


 57.4672, 0.3350,
0.4971


 3.1004, 0.2565,
0.7435

 77.2611, 0.3348,
0.4802

 1.1844, 0.0000,
1.0000

 101.1466, 0.3343,
0.4663


 0.0489, 0.0000,
1.0000


 129.5080, 0.3336,
0.4546

 0.0000, 0.0000,
0.0000


 162.7298, 0.3328,

0.4447

 201.1963, 0.3321,
0.4362


 18.7909, 0.3285,
0.5774


 18.7909, 0.3285,
0.5774

 18.7918, 0.3285,
0.5774

 19.0779, 0.3329,
0.5638

 19.4212, 0.3363,
0.5462

 19.8335, 0.3378,
0.5234

 20.3199, 0.3375,
0.4967

 20.8847, 0.3356,
0.4676

■ 21.5321, 0.3323,
0.4377

■ 22.2656, 0.3281,
0.4081

■ 23.0888, 0.3232,
0.3797

■ 24.0049, 0.3180,
0.3533

Harmonies

Analogous

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



18.7909, 0.4386, 0.5255



18.7909, 0.3285, 0.5774



18.7909, 0.2201, 0.5072

Triad

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



18.7909, 0.3285, 0.5774



18.7909, 0.1221, 0.1671



18.7909, 0.5054, 0.2781

Complementary

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



18.7909, 0.3285, 0.5774



3.4683, 0.2203, 0.0987

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.



18.7909, 0.3766, 0.2129



18.7909, 0.3285, 0.5774



18.7909, 0.1641, 0.1525

Square

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



18.7909, 0.3285, 0.5774



18.7909, 0.1144, 0.2246



18.7909, 0.2486, 0.1688



18.7909, 0.5615, 0.3527

Rectangle

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



18.7909, 0.3285, 0.5774



18.7909, 0.1640, 0.4005



18.7909, 0.2486, 0.1688



18.7909, 0.4673, 0.2549

Sweetspot

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



18.7918, 0.3285, 0.5774



39.7803, 0.3284, 0.4100



10.7156, 0.5183, 0.4267



8.8122, 0.3300, 0.4207



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.



18.7918, 0.3285, 0.5774



33.5593, 0.3270, 0.5786



17.9121, 0.2983, 0.5940



5.7050, 0.3176, 0.3512



17.5106, 0.3287, 0.5772



0.1246, 0.3633, 0.5497

Inverse Universe

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



3.4683, 0.2203, 0.0987



6.1136, 0.2183, 0.0976



6.8736, 0.3379, 0.1635



5.0252, 0.3075, 0.3070



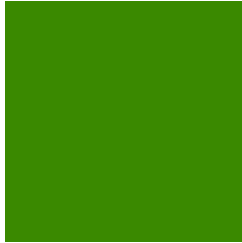
3.2377, 0.2205, 0.0989



0.0302, 0.2656, 0.1237

Previews

White Background



This preview shows how the Yxy color 18.7909, 0.3285, 0.5774 looks on a white 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

Black Background



This preview shows how the Yxy color 18.7909, 0.3285, 0.5774 looks on a black 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

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

Yxy 18.7909, 0.3285, 0.5774

Background



This preview shows how black text looks on a background with the Yxy color 18.7909, 0.3285, 0.5774.



This preview shows how white text looks on a background with the Yxy color 18.7909, 0.3285, 0.5774.

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

18.7909, 0.3285, 0.5774

Protanopia

18.5838, 0.4397, 0.4891

Deuteranopia

18.3830, 0.4583, 0.4504



Tritanopia

18.6760, 0.2528, 0.3066

Trichromacy



Original Color

18.7909, 0.3285, 0.5774

Protanomaly

18.0475, 0.3938, 0.5255

Deuteranomaly

17.7446, 0.4071, 0.5014

Tritanomaly

18.2768, 0.2911, 0.4265

Monochromacy



Original Color

18.7909, 0.3285, 0.5774

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

13.7751, 0.3334, 0.4489

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7909, 0.3285, 0.5774 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(58, 137, 0)` looks like.

```
.text, #text, p{  
    color:rgb(58, 137, 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(58, 137, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 137, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.7909, 0.3285, 0.5774 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(58, 137, 0) }
```

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

```
.border{ border-color:rgb(58, 137, 0) }
```

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

Here you see how a box with a 4 pixel rgb(58, 137, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 137, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 137, 0);  
box-shadow:4px 4px 4px 4px rgb(58, 137, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.7909, 0.3285, 0.5774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 137, 0) }
```

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

```
.background{ background-color: rgb(58, 137,  
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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