

Converting Colors

$Yxy(18.0953, 0.2558, 0.4409)$

Have a look what the booklet for
Yxy(18.0953, 0.2558, 0.4409)
contains.

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Color

Yxy(18.0492, 0.2559, 0.4413)

Conversions

Conversions Part 1

Format	Color
Hex	008759
RGB	0, 135, 89
RGB Percent	0%, 53%, 35%
CMY	1.0000, 0.4706, 0.6510
CMYK	1.00, 0.00, 0.34, 0.47
HSL	160°, 100%, 26%
HSV	160°, 100%, 53%
XYZ	10.4663, 18.0492, 12.3845
YIQ	89.3910, -65.6940, -42.9260

Conversions

Conversions Part 2

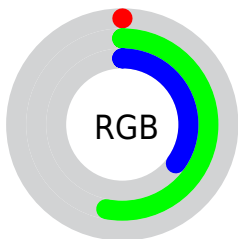
Format	Color
RYB	0, 81, 135
Decimal	34649
CIELab	49.56, -42.91, 16.12
CIELCh	50, 45.841, 159.406
Yxy	18.0492, 0.2559, 0.4413
Android (android.graphics.Color)	4278224729 (0xFF008759)
YUV	89.3910, -0.1928, -78.3959
Hunter-Lab	42.4844, -30.3728, 12.4555

Details

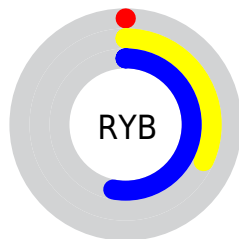
The Yxy color **18.0492, 0.2559, 0.4413** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **5.3485, 0.5548, 0.2830**, and the grayscale version is **10.0933, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0086, 0.2706, 0.4124**, and **6.5151, 0.2676, 0.4835** is the 20% darker color. If you saturate the color by 10%, you get **18.0505, 0.2559, 0.4413**, and if you desaturate by 10%, it is **18.2197, 0.2551, 0.4287**.

Distribution



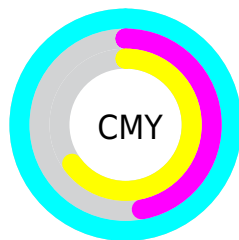
- Red (0%)
- Green (53%)
- Blue (35%)



- Red (0%)
- Yellow (32%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (47%)





- Cyan (100%)
- Magenta (47%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0492, 0.2559, 0.4413 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 18.0492, 0.2559, 0.4413 by changing the saturation by 10% instead.


 18.0492, 0.2559,
0.4413


 18.0492, 0.2559,
0.4413

241.1482, 0.2905,
0.3727


 10.9853, 0.2442,
0.4647


 40.1211, 0.2704,
0.4123


 6.0570, 0.2268,
0.5000

 55.8980, 0.2752,
0.4028

 2.8797, 0.1981,
0.5585

 75.3480, 0.2790,
0.3952

 1.0693, 0.0000,
0.9776

 98.8554, 0.2822,
0.3890

 0.0000, 0.0000,
0.0000

 126.8048, 0.2848,
0.3839

 159.5804, 0.2870,

0.3795

197.5668, 0.2888,
0.3759

■ 18.0492, 0.2559,
0.4413

■ 18.0492, 0.2559,
0.4413

■ 18.0505, 0.2559,
0.4413

■ 18.2197, 0.2551,
0.4287

■ 18.4479, 0.2555,
0.4160

■ 18.7658, 0.2578,
0.4033

■ 19.1836, 0.2620,
0.3908

■ 19.7103, 0.2678,
0.3787

■ 20.3537, 0.2750,
0.3672

■ 21.1210, 0.2834,
0.3564

■ 22.0189, 0.2927,
0.3464

■ 23.0532, 0.3025,
0.3373

Harmonies

Analogous

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



18.0492, 0.3365, 0.4906



18.0492, 0.2559, 0.4413



18.0492, 0.1954, 0.3468

Triad

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



18.0492, 0.2559, 0.4413



18.0492, 0.2049, 0.1993



18.0492, 0.4837, 0.3571

Complementary

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



18.0492, 0.2559, 0.4413



5.3485, 0.5548, 0.2830

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.



18.0492, 0.4403, 0.2967



18.0492, 0.2559, 0.4413



18.0492, 0.2690, 0.2109

Square

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



18.0492, 0.2559, 0.4413



18.0492, 0.1711, 0.2148



18.0492, 0.3563, 0.2453



18.0492, 0.4712, 0.4197

Rectangle

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



18.0492, 0.2559, 0.4413



18.0492, 0.1730, 0.2874



18.0492, 0.3563, 0.2453



18.0492, 0.4754, 0.3364

Sweetspot

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



18.0505, 0.2559, 0.4413



37.7216, 0.2828, 0.3571



17.9395, 0.3205, 0.5837



8.6142, 0.2797, 0.3610



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.



18.0505, 0.2559, 0.4413



32.2921, 0.2567, 0.4440



13.9548, 0.2117, 0.2819



5.2526, 0.3034, 0.3365



16.6463, 0.2558, 0.4409



0.0590, 0.2401, 0.3842

Inverse Universe

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



5.3485, 0.5548, 0.2830



9.5500, 0.5604, 0.2861



5.6605, 0.6225, 0.3439



4.7130, 0.3230, 0.3216



4.9340, 0.5539, 0.2825



0.0184, 0.4495, 0.2250

Previews

White Background



This preview shows how the Yxy color 18.0492, 0.2559, 0.4413 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 18.0492, 0.2559, 0.4413 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 18.0492, 0.2559, 0.4413

Background



This preview shows how black text looks on a background with the Yxy color 18.0492, 0.2559, 0.4413.



This preview shows how white text looks on a background with the Yxy color 18.0492, 0.2559, 0.4413.

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

18.0492, 0.2559, 0.4413

Protanopia

17.8287, 0.3707, 0.3982

Deuteranopia

17.9368, 0.3703, 0.3641



Tritanopia

18.1689, 0.2317, 0.3076

Trichromacy



Original Color

18.0492, 0.2559, 0.4413



Protanomaly

16.8047, 0.3051, 0.4202



Deuteranomaly

16.4737, 0.3038, 0.3940



Tritanomaly

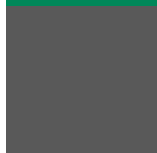
17.8891, 0.2378, 0.3515

Monochromacy



Original Color

18.0492, 0.2559, 0.4413



Achromatopsia

9.9899, 0.3127, 0.3290



Achromatomaly

11.8992, 0.2715, 0.3738

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0492, 0.2559, 0.4413 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, 89)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 89)  
}
```

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, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 89) }
```

Border

The CSS property to change the border of an element to Yxy 18.0492, 0.2559, 0.4413 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, 89) }
```

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

```
.border{ border-color:rgb(0, 135, 89) }
```

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, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 89);  
box-shadow:4px 4px 4px 4px rgb(0, 135, 89)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.0492, 0.2559, 0.4413 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, 89) }
```

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

```
.background{ background-color: rgb(0, 135,  
89) }
```

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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