

Converting Colors

$Y_{xy}(16.1994, 0.2038, 0.5268)$

Have a look what the booklet for
Yxy(16.1994, 0.2038, 0.5268)
contains.

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Color

$\text{Yxy}(18.0257, 0.2713, 0.4965)$

Conversions

Conversions Part 1

Format	Color
Hex	008844
RGB	0, 136, 68
RGB Percent	0%, 53%, 27%
CMY	0.9992, 0.4667, 0.7333
CMYK	1.00, 0.00, 0.50, 0.47
HSL	150°, 100%, 27%
HSV	150°, 100%, 53%
XYZ	9.8497, 18.0257, 8.4301
YIQ	87.5840, -59.2280, -49.9800

Conversions

Conversions Part 2

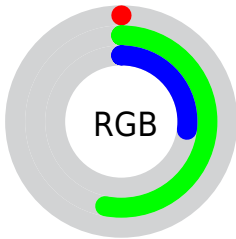
Format	Color
RYB	0, 91, 136
Decimal	34884
CIELab	49.53, -47.59, 27.74
CIELCh	50, 55.083, 149.767
Yxy	18.0257, 0.2713, 0.4965
Android (android.graphics.Color)	4278224964 (0xFF008844)
YUV	87.5840, -9.6549, -76.8112
Hunter-Lab	42.4567, -32.8883, 17.9471

Details

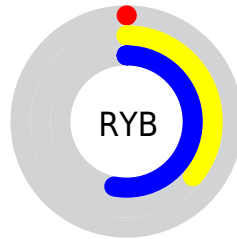
The Yxy color **18.0257, 0.2713, 0.4965** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **5.6585, 0.4900, 0.2475**, and the grayscale version is **9.7092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8606, 0.2840, 0.4525**, and **6.5549, 0.2877, 0.5558** is the 20% darker color. If you saturate the color by 10%, you get **18.0237, 0.2713, 0.4968**, and if you desaturate by 10%, it is **18.2050, 0.2693, 0.4785**.

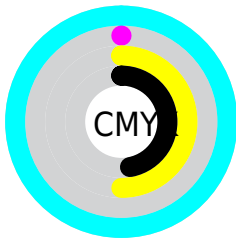
Distribution



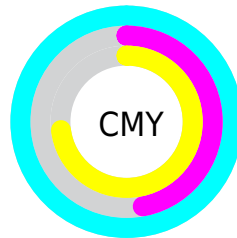
- Red (0%)
- Green (53%)
- Blue (27%)



- Red (0%)
- Yellow (36%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (47%)




- Cyan (100%)
- Magenta (47%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0257, 0.2713, 0.4965 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 18.0257, 0.2713, 0.4965 by changing the saturation by 10% instead.


 18.0257, 0.2713,
0.4965


 18.0257, 0.2713,
0.4965


241.0159, 0.2992,
0.3927


 10.9684, 0.2601,
0.5322


 40.0811, 0.2840,
0.4524


 6.0456, 0.2419,
0.5856

 55.8481, 0.2879,
0.4379


 2.8728, 0.2138,
0.6870

 75.2870, 0.2909,
0.4264

 1.0657, 0.0000,
1.0000

 98.7824, 0.2933,
0.4171

 0.0000, 0.0000,
0.0000

 126.7186, 0.2952,
0.4094

 159.4799, 0.2968,

0.4029

197.4509, 0.2981,
0.3974

■ 18.0257, 0.2713,
0.4965

■ 18.0257, 0.2713,
0.4965

■ 18.0237, 0.2713,
0.4968

■ 18.2050, 0.2693,
0.4785

■ 18.4498, 0.2685,
0.4598

■ 18.7911, 0.2697,
0.4407

■ 19.2397, 0.2726,
0.4218

■ 19.8047, 0.2771,
0.4034

■ 20.4943, 0.2828,
0.3859

■ 21.3161, 0.2896,
0.3696

■ 22.2768, 0.2970,
0.3546

■ 23.3829, 0.3048,
0.3410

Harmonies

Analogous

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



18.0257, 0.3668, 0.5238



18.0257, 0.2713, 0.4965



18.0257, 0.1923, 0.3879

Triad

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



18.0257, 0.2713, 0.4965



18.0257, 0.1714, 0.1808



18.0257, 0.5076, 0.3340

Complementary

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



18.0257, 0.2713, 0.4965



5.6585, 0.4900, 0.2475

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.



18.0257, 0.4363, 0.2690



18.0257, 0.2713, 0.4965



18.0257, 0.2325, 0.1854

Square

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



18.0257, 0.2713, 0.4965



18.0257, 0.1445, 0.2073



18.0257, 0.3282, 0.2164



18.0257, 0.5097, 0.4049

Rectangle

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



18.0257, 0.2713, 0.4965



18.0257, 0.1597, 0.3088



18.0257, 0.3282, 0.2164



18.0257, 0.4909, 0.3115

Sweetspot

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



18.0264, 0.2713, 0.4965



37.4408, 0.2890, 0.3709



18.9239, 0.3406, 0.5676



8.5430, 0.2864, 0.3767



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.



18.0264, 0.2713, 0.4965



31.7331, 0.2723, 0.5004



19.3228, 0.2261, 0.3337



5.6472, 0.3053, 0.3402



17.0615, 0.2712, 0.4964



0.1163, 0.2497, 0.4191

Inverse Universe

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



5.6585, 0.4900, 0.2475



9.9305, 0.4949, 0.2500



5.2441, 0.6371, 0.3286



5.0876, 0.3208, 0.3181



5.3521, 0.4899, 0.2472



0.0385, 0.4033, 0.1995

Previews

White Background



This preview shows how the Yxy color 18.0257, 0.2713, 0.4965 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 18.0257, 0.2713, 0.4965 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 18.0257, 0.2713, 0.4965

Background



This preview shows how black text looks on a background with the Yxy color 18.0257, 0.2713, 0.4965.



This preview shows how white text looks on a background with the Yxy color 18.0257, 0.2713, 0.4965.

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

18.0257, 0.2713, 0.4965

Protanopia

17.7375, 0.3958, 0.4311

Deuteranopia

17.7455, 0.4029, 0.3969



Tritanopia

18.0325, 0.2338, 0.3056

Trichromacy



Original Color

18.0257, 0.2713, 0.4965



Protanomaly

16.5793, 0.3259, 0.4653



Deuteranomaly

16.3163, 0.3288, 0.4389



Tritanomaly

17.7482, 0.2447, 0.3705

Monochromacy



Original Color

18.0257, 0.2713, 0.4965



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

11.5380, 0.2789, 0.3940

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0257, 0.2713, 0.4965 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, 136, 68)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 68)  
}
```

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, 136, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 68) }
```

Border

The CSS property to change the border of an element to Yxy 18.0257, 0.2713, 0.4965 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, 136, 68) }
```

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

```
.border{ border-color:rgb(0, 136, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 136, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 68);  
box-shadow:4px 4px 4px 4px rgb(0, 136, 68)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.0257, 0.2713, 0.4965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 136, 68) }
```

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

```
.background{ background-color: rgb(0, 136,  
68) }
```

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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