

Converting Colors

$Y_{xy}(18.0412, 0.2582, 0.4495)$

Have a look what the booklet for
Yxy(18.0412, 0.2582, 0.4495)
contains.

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Color

Yxy(17.9998, 0.2581, 0.4491)

Conversions

Conversions Part 1

Format	Color
Hex	008756
RGB	0, 135, 86
RGB Percent	0%, 53%, 34%
CMY	0.9997, 0.4706, 0.6627
CMYK	1.00, 0.00, 0.36, 0.47
HSL	158°, 100%, 26%
HSV	158°, 100%, 53%
XYZ	10.3446, 17.9998, 11.7353
YIQ	89.0490, -64.7310, -43.8590

Conversions

Conversions Part 2

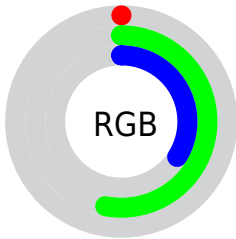
Format	Color
RYB	0, 82, 135
Decimal	34646
CIELab	49.50, -43.59, 17.74
CIELCh	49, 47.060, 157.848
Yxy	17.9998, 0.2581, 0.4491
Android (android.graphics.Color)	4278224726 (0xFF008756)
YUV	89.0490, -1.5032, -78.0960
Hunter-Lab	42.4262, -30.7230, 13.2983

Details

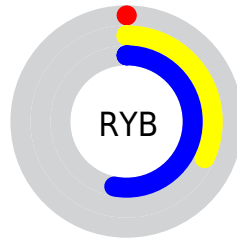
The Yxy color **17.9998, 0.2581, 0.4491** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **5.3746, 0.5461, 0.2782**, and the grayscale version is **10.0206, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.9221, 0.2724, 0.4177**, and **6.4938, 0.2708, 0.4949** is the 20% darker color. If you saturate the color by 10%, you get **17.9997, 0.2581, 0.4492**, and if you desaturate by 10%, it is **18.1718, 0.2571, 0.4356**.

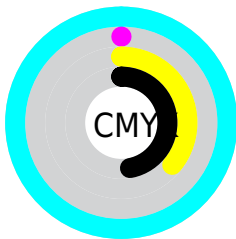
Distribution



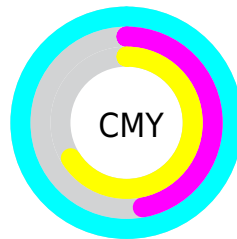
- Red (0%)
- Green (53%)
- Blue (34%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (36%)
- Black (47%)





- Cyan (100%)
- Magenta (47%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9998, 0.2581, 0.4491 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 17.9998, 0.2581, 0.4491 by changing the saturation by 10% instead.


 17.9998, 0.2581,
0.4491


 17.9998, 0.2581,
0.4491


240.8699, 0.2917,
0.3755


 10.9498, 0.2466,
0.4743


 40.0370, 0.2723,
0.4180


 6.0331, 0.2291,
0.5124

 55.7930, 0.2770,
0.4077

 2.8652, 0.2001,
0.5756

 75.2198, 0.2807,
0.3996

 1.0618, 0.0000,
1.0000

 98.7019, 0.2837,
0.3929

 0.0000, 0.0000,
0.0000

 126.6235, 0.2862,
0.3874

 159.3691, 0.2883,

0.3828

197.3231, 0.2901,
0.3789

■ 17.9998, 0.2581,
0.4491

■ 17.9998, 0.2581,
0.4491

■ 17.9997, 0.2581,
0.4492

■ 18.1718, 0.2571,
0.4356

■ 18.4031, 0.2573,
0.4220

■ 18.7246, 0.2595,
0.4084

■ 19.1468, 0.2635,
0.3950

■ 19.6786, 0.2691,
0.3821

■ 20.3279, 0.2761,
0.3697

■ 21.1018, 0.2843,
0.3582

■ 22.0068, 0.2933,
0.3475

■ 23.0492, 0.3029,
0.3378

Harmonies

Analogous

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



17.9998, 0.3410, 0.4959



17.9998, 0.2581, 0.4491



17.9998, 0.1948, 0.3523

Triad

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



17.9998, 0.2581, 0.4491



17.9998, 0.1999, 0.1966



17.9998, 0.4873, 0.3538

Complementary

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



17.9998, 0.2581, 0.4491



5.3746, 0.5461, 0.2782

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.



17.9998, 0.4400, 0.2927



17.9998, 0.2581, 0.4491



17.9998, 0.2636, 0.2071

Square

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



17.9998, 0.2581, 0.4491



17.9998, 0.1671, 0.2136



17.9998, 0.3524, 0.2410



17.9998, 0.4768, 0.4178

Rectangle

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



17.9998, 0.2581, 0.4491



17.9998, 0.1710, 0.2902



17.9998, 0.3524, 0.2410



17.9998, 0.4779, 0.3328

Sweetspot

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



18.0005, 0.2581, 0.4491



37.6812, 0.2837, 0.3590



17.9947, 0.3222, 0.5823



8.6039, 0.2806, 0.3632



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.



18.0005, 0.2581, 0.4491



32.2025, 0.2589, 0.4520



14.4745, 0.2132, 0.2874



5.2509, 0.3037, 0.3370



16.6005, 0.2580, 0.4487



0.0589, 0.2413, 0.3887

Inverse Universe

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



5.3746, 0.5461, 0.2782



9.5931, 0.5517, 0.2813



5.5856, 0.6249, 0.3419



4.7146, 0.3227, 0.3211



4.9568, 0.5453, 0.2778



0.0185, 0.4421, 0.2209

Previews

White Background



This preview shows how the Yxy color 17.9998, 0.2581, 0.4491 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 17.9998, 0.2581, 0.4491 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 17.9998, 0.2581, 0.4491

Background



This preview shows how black text looks on a background with the Yxy color 17.9998, 0.2581, 0.4491.



This preview shows how white text looks on a background with the Yxy color 17.9998, 0.2581, 0.4491.

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

17.9998, 0.2581, 0.4491

Protanopia

17.7991, 0.3731, 0.4019

Deuteranopia

17.6620, 0.3748, 0.3678



Tritanopia

18.1930, 0.2322, 0.3076

Trichromacy



Original Color

17.9998, 0.2581, 0.4491



Protanomaly

16.7738, 0.3071, 0.4249



Deuteranomaly

16.1804, 0.3070, 0.3990



Tritanomaly

17.8800, 0.2389, 0.3538

Monochromacy



Original Color

17.9998, 0.2581, 0.4491



Achromatopsia

9.9899, 0.3127, 0.3290



Achromatomaly

11.8825, 0.2726, 0.3765

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9998, 0.2581, 0.4491 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, 86)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 86)  
}
```

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, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 86) }
```

Border

The CSS property to change the border of an element to Yxy 17.9998, 0.2581, 0.4491 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, 86) }
```

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

```
.border{ border-color:rgb(0, 135, 86) }
```

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, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 86);  
box-shadow:4px 4px 4px 4px rgb(0, 135, 86)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.9998, 0.2581, 0.4491 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, 86) }
```

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

```
.background{ background-color: rgb(0, 135,  
86) }
```

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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