

Converting Colors

$Yxy(26.5011, 0.2161, 0.4669)$

Have a look what the booklet for
Yxy(26.5011, 0.2161, 0.4669)
contains.

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Color

Yxy(28.6780, 0.2590, 0.4523)

Conversions

Conversions Part 1

Format	Color
Hex	00A76A
RGB	0, 167, 106
RGB Percent	0%, 65%, 42%
CMY	0.9992, 0.3451, 0.5843
CMYK	1.00, 0.00, 0.37, 0.35
HSL	158°, 100%, 33%
HSV	158°, 100%, 65%
XYZ	16.4218, 28.6780, 18.3050
YIQ	110.1130, -79.9510, -54.3750

Conversions

Conversions Part 2

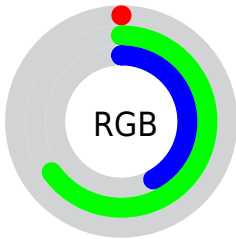
Format	Color
RYB	0, 102, 167
Decimal	42858
CIELab	60.50, -51.24, 21.51
CIElCh	60, 55.574, 157.231
Yxy	28.6780, 0.2590, 0.4523
Android (android.graphics.Color)	4278232938 (0xFF00A76A)
YUV	110.1130, -2.0277, -96.5691
Hunter-Lab	53.5518, -38.9781, 17.2199

Details

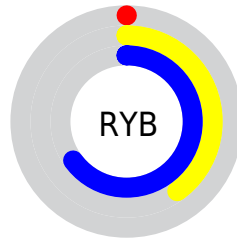
The Yxy color **28.6780, 0.2590, 0.4523** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.5587, 0.5494, 0.2801**, and the grayscale version is **15.6678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.4681, 0.2715, 0.4231**, and **12.3401, 0.2696, 0.4907** is the 20% darker color. If you saturate the color by 10%, you get **28.6764, 0.2590, 0.4525**, and if you desaturate by 10%, it is **28.9277, 0.2574, 0.4386**.

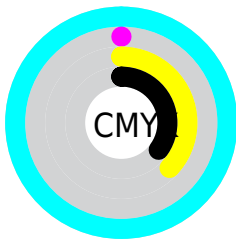
Distribution



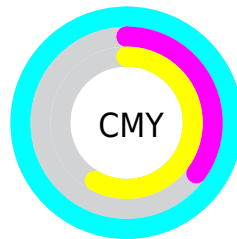
- Red (0%)
- Green (65%)
- Blue (42%)



- Red (0%)
- Yellow (40%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (35%)





- Cyan (100%)
- Magenta (35%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.6780, 0.2590, 0.4523 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 28.6780, 0.2590, 0.4523 by changing the saturation by 10% instead.


 28.6780, 0.2590,
0.4523


 28.6780, 0.2590,
0.4523


295.6926, 0.2901,
0.3812


 18.8374, 0.2495,
0.4739


 57.5651, 0.2715,
0.4238

 11.5528, 0.2359,
0.5043


 77.3804, 0.2759,
0.4140

 6.4400, 0.2155,
0.5499


 101.2893, 0.2794,
0.4060

 3.1144, 0.1819,
0.6243

 129.6762, 0.2823,
0.3993

 1.1918, 0.0000,
1.0000

 162.9257, 0.2847,
0.3937

 0.0550, 0.0000,
1.0000

 201.4220, 0.2868,

 0.0000, 0.0000,

0.3889

0.0000

245.5495, 0.2886,
0.3848

■ 28.6780, 0.2590,
0.4523

■ 28.6780, 0.2590,
0.4523

■ 28.6764, 0.2590,
0.4525

■ 28.9277, 0.2574,
0.4386

■ 29.2836, 0.2574,
0.4247

■ 29.7863, 0.2593,
0.4107

■ 30.4537, 0.2631,
0.3969

■ 31.3009, 0.2687,
0.3835

■ 32.3416, 0.2758,
0.3708

■ 33.5878, 0.2840,
0.3590

■ 35.0506, 0.2931,
0.3480

■ 36.7404, 0.3028,
0.3379

Harmonies

Analogous

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



28.6780, 0.3428, 0.4980



28.6780, 0.2590, 0.4523



28.6780, 0.1946, 0.3546

Triad

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



28.6780, 0.2590, 0.4523



28.6780, 0.1978, 0.1954



28.6780, 0.4888, 0.3525

Complementary

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



28.6780, 0.2590, 0.4523



8.5587, 0.5494, 0.2801

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.



28.6780, 0.4399, 0.2910



28.6780, 0.2590, 0.4523



28.6780, 0.2614, 0.2055

Square

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



28.6780, 0.2590, 0.4523



28.6780, 0.1655, 0.2132



28.6780, 0.3508, 0.2393



28.6780, 0.4791, 0.4170

Rectangle

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



28.6780, 0.2590, 0.4523



28.6780, 0.1702, 0.2914



28.6780, 0.3508, 0.2393



28.6780, 0.4789, 0.3314

Sweetspot

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



28.6791, 0.2590, 0.4523



59.9947, 0.2834, 0.3597



28.6412, 0.3210, 0.5832



13.2153, 0.2800, 0.3645



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



28.6791, 0.2590, 0.4523



51.3170, 0.2597, 0.4548



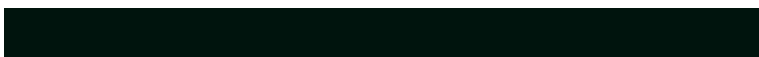
22.9685, 0.2130, 0.2866



8.4848, 0.3034, 0.3374



21.9532, 0.2587, 0.4512



0.5434, 0.2461, 0.4058

Inverse Universe

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



8.5587, 0.5494, 0.2801



15.2818, 0.5542, 0.2827



8.8065, 0.6270, 0.3402



7.5860, 0.3231, 0.3208



6.5537, 0.5472, 0.2788



0.1693, 0.4587, 0.2300

Previews

White Background



This preview shows how the Yxy color 28.6780, 0.2590, 0.4523 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 28.6780, 0.2590, 0.4523 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 28.6780, 0.2590, 0.4523

Background



This preview shows how black text looks on a background with the Yxy color 28.6780, 0.2590, 0.4523.



This preview shows how white text looks on a background with the Yxy color 28.6780, 0.2590, 0.4523.

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

28.6780, 0.2590, 0.4523

Protanopia

28.2820, 0.3749, 0.4049

Deuteranopia

28.1811, 0.3772, 0.3700



Tritanopia

28.7046, 0.2308, 0.3061

Trichromacy



Original Color

28.6780, 0.2590, 0.4523



Protanomaly

26.4119, 0.3080, 0.4294



Deuteranomaly

25.8088, 0.3073, 0.4017



Tritanomaly

28.3908, 0.2385, 0.3551

Monochromacy



Original Color

28.6780, 0.2590, 0.4523



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

18.6388, 0.2713, 0.3773

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6780, 0.2590, 0.4523 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, 167, 106)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 106)  
}
```

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, 167, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 106) }
```

Border

The CSS property to change the border of an element to Yxy 28.6780, 0.2590, 0.4523 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, 167, 106) }
```

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

```
.border{ border-color:rgb(0, 167, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 167, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 106);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6780, 0.2590, 0.4523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 106) }
```

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

```
.background{ background-color: rgb(0, 167,  
106) }
```

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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