

Converting Colors

$Yxy(28.2255, 0.2637, 0.4693)$

Have a look what the booklet for
Yxy(28.2255, 0.2637, 0.4693)
contains.

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Color

Yxy(28.1543, 0.2634, 0.4681)

Conversions

Conversions Part 1

Format	Color
Hex	00A662
RGB	0, 166, 98
RGB Percent	0%, 65%, 38%
CMY	0.9989, 0.3490, 0.6158
CMYK	1.00, 0.00, 0.41, 0.35
HSL	155°, 100%, 33%
HSV	155°, 100%, 65%
XYZ	15.8424, 28.1543, 16.1492
YIQ	108.6140, -77.1080, -56.3400

Conversions

Conversions Part 2

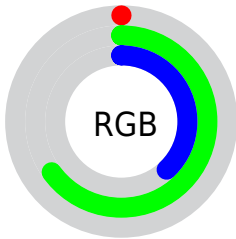
Format	Color
RYB	0, 104, 166
Decimal	42594
CIELab	60.03, -52.54, 25.22
CIElCh	60, 58.276, 154.361
Yxy	28.1543, 0.2634, 0.4681
Android (android.graphics.Color)	4278232674 (0xFF00A662)
YUV	108.6140, -5.2327, -95.2545
Hunter-Lab	53.0606, -39.5609, 19.0973

Details

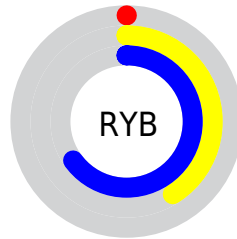
The Yxy color **28.1543, 0.2634, 0.4681** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.5337, 0.5312, 0.2701**, and the grayscale version is **15.2326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.5861, 0.2755, 0.4359**, and **12.0405, 0.2755, 0.5119** is the 20% darker color. If you saturate the color by 10%, you get **28.1516, 0.2634, 0.4683**, and if you desaturate by 10%, it is **28.4059, 0.2615, 0.4528**.

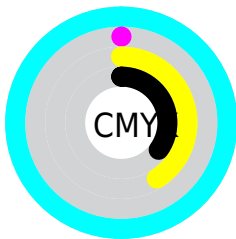
Distribution



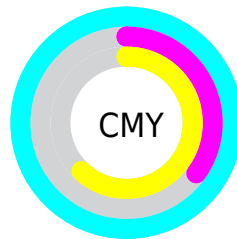
- Red (0%)
- Green (65%)
- Blue (38%)



- Red (0%)
- Yellow (41%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (41%)
- Black (35%)





- Cyan (100%)
- Magenta (35%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.1543, 0.2634, 0.4681 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 28.1543, 0.2634, 0.4681 by changing the saturation by 10% instead.


 28.1543, 0.2634,
0.4681


 28.1543, 0.2634,
0.4681


293.2035, 0.2929,
0.3873


 18.4420, 0.2540,
0.4928


 56.7307, 0.2755,
0.4356

 11.2678, 0.2403,
0.5278


 76.3636, 0.2796,
0.4244

 6.2473, 0.2191,
0.5802


 100.0721, 0.2829,
0.4153

 2.9960, 0.1844,
0.6699

 128.2407, 0.2856,
0.4077

 1.1296, 0.0000,
1.0000

 161.2538, 0.2879,
0.4014

 0.0031, 0.0000,
1.0000

 199.4956, 0.2898,

 0.0000, 0.0000,

0.3960

0.0000

243.3507, 0.2914,
0.3914

■ 28.1543, 0.2634,
0.4681

■ 28.1543, 0.2634,
0.4681

■ 28.1516, 0.2634,
0.4683

■ 28.4059, 0.2615,
0.4528

■ 28.7645, 0.2611,
0.4371

■ 29.2701, 0.2627,
0.4213

■ 29.9405, 0.2662,
0.4056

■ 30.7907, 0.2713,
0.3905

■ 31.8341, 0.2780,
0.3761

■ 33.0826, 0.2857,
0.3627

■ 34.5474, 0.2943,
0.3503

■ 36.2385, 0.3034,
0.3390

Harmonies

Analogous

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



28.1543, 0.3516, 0.5081



28.1543, 0.2634, 0.4681



28.1543, 0.1937, 0.3660

Triad

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



28.1543, 0.2634, 0.4681



28.1543, 0.1880, 0.1900



28.1543, 0.4958, 0.3459

Complementary

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



28.1543, 0.2634, 0.4681



8.5337, 0.5312, 0.2701

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.



28.1543, 0.4390, 0.2830



28.1543, 0.2634, 0.4681



28.1543, 0.2509, 0.1981

Square

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



28.1543, 0.2634, 0.4681



28.1543, 0.1577, 0.2110



28.1543, 0.3429, 0.2309



28.1543, 0.4903, 0.4130

Rectangle

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



28.1543, 0.2634, 0.4681



28.1543, 0.1663, 0.2973



28.1543, 0.3429, 0.2309



28.1543, 0.4835, 0.3242

Sweetspot

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



28.1554, 0.2634, 0.4681



59.8662, 0.2851, 0.3636



28.5499, 0.3266, 0.5787



13.1834, 0.2819, 0.3690



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.



28.1554, 0.2634, 0.4681



51.0499, 0.2642, 0.4710



25.2727, 0.2175, 0.3030



8.4792, 0.3039, 0.3384



21.8398, 0.2631, 0.4670



0.5412, 0.2489, 0.4159

Inverse Universe

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



8.5337, 0.5312, 0.2701



15.4340, 0.5361, 0.2727



8.4238, 0.6327, 0.3355



7.5915, 0.3224, 0.3198



6.6203, 0.5293, 0.2690



0.1713, 0.4453, 0.2227

Previews

White Background



This preview shows how the Yxy color 28.1543, 0.2634, 0.4681 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 28.1543, 0.2634, 0.4681 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 28.1543, 0.2634, 0.4681

Background



This preview shows how black text looks on a background with the Yxy color 28.1543, 0.2634, 0.4681.



This preview shows how white text looks on a background with the Yxy color 28.1543, 0.2634, 0.4681.

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

28.1543, 0.2634, 0.4681

Protanopia

27.8359, 0.3834, 0.4155

Deuteranopia

27.7429, 0.3855, 0.3790



Tritanopia

28.0083, 0.2319, 0.3059

Trichromacy



Original Color

28.1543, 0.2634, 0.4681



Protanomaly

25.9385, 0.3147, 0.4433



Deuteranomaly

25.3273, 0.3146, 0.4156



Tritanomaly

27.5866, 0.2402, 0.3594

Monochromacy



Original Color

28.1543, 0.2634, 0.4681



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

18.2504, 0.2738, 0.3847

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1543, 0.2634, 0.4681 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, 166, 98)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 98)  
}
```

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, 166, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 98) }
```

Border

The CSS property to change the border of an element to Yxy 28.1543, 0.2634, 0.4681 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, 166, 98) }
```

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

```
.border{ border-color:rgb(0, 166, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 166, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 98);  
box-shadow:4px 4px 4px 4px rgb(0, 166, 98)  
}
```


Background

The CSS property to change the background color of an element to Yxy 28.1543, 0.2634, 0.4681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 98) }
```

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

```
.background{ background-color: rgb(0, 166,  
98) }
```

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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