

Converting Colors

$Yxy(25.9610, 0.2280, 0.4561)$

Have a look what the booklet for
Yxy(25.9610, 0.2280, 0.4561)
contains.

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Color

Yxy(27.2350, 0.2574, 0.4465)

Conversions

Conversions Part 1

Format	Color
Hex	00A36A
RGB	0, 163, 106
RGB Percent	0%, 64%, 42%
CMY	0.9989, 0.3608, 0.5844
CMYK	1.00, 0.00, 0.35, 0.36
HSL	159°, 100%, 32%
HSV	159°, 100%, 64%
XYZ	15.7005, 27.2350, 18.0611
YIQ	107.7650, -78.8510, -52.2830

Conversions

Conversions Part 2

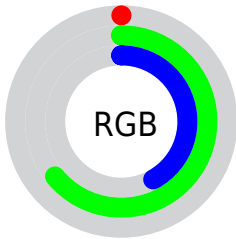
Format	Color
RYB	0, 99, 163
Decimal	41834
CIELab	59.19, -49.76, 19.75
CIELCh	59, 53.533, 158.350
Yxy	27.2350, 0.2574, 0.4465
Android (android.graphics.Color)	4278231914 (0xFF00A36A)
YUV	107.7650, -0.8701, -94.5099
Hunter-Lab	52.1872, -37.6257, 16.0117

Details

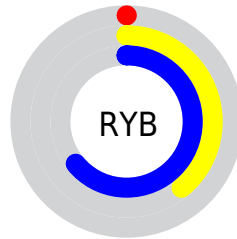
The Yxy color **27.2350, 0.2574, 0.4465** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.0906, 0.5547, 0.2831**, and the grayscale version is **14.9693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3053, 0.2703, 0.4185**, and **11.4573, 0.2678, 0.4839** is the 20% darker color. If you saturate the color by 10%, you get **27.2323, 0.2574, 0.4467**, and if you desaturate by 10%, it is **27.4724, 0.2560, 0.4334**.

Distribution



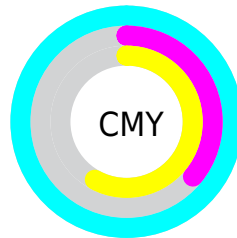
- Red (0%)
- Green (64%)
- Blue (42%)



- Red (0%)
- Yellow (39%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (36%)





- Cyan (100%)
- Magenta (36%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.2350, 0.2574, 0.4465 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 27.2350, 0.2574, 0.4465 by changing the saturation by 10% instead.

 27.2350, 0.2574,
0.4465


 27.2350, 0.2574,
0.4465


288.7932, 0.2894,
0.3784


 17.7498, 0.2476,
0.4674


 55.2607, 0.2703,
0.4191


 10.7705, 0.2337,
0.4970


 74.5701, 0.2747,
0.4097


 5.9127, 0.2126,
0.5419

 97.9229, 0.2783,
0.4020

 2.7921, 0.1777,
0.6164

 125.7036, 0.2813,
0.3956

 1.0242, 0.0000,
1.0000

 158.2966, 0.2838,
0.3903

 0.0000, 0.0000,
0.0000

 196.0862, 0.2860,

0.3858

239.4570, 0.2878,
0.3818

■ 27.2350, 0.2574,
0.4465

■ 27.2350, 0.2574,
0.4465

■ 27.2323, 0.2574,
0.4467

■ 27.4724, 0.2560,
0.4334

■ 27.8092, 0.2561,
0.4201

■ 28.2843, 0.2582,
0.4068

■ 28.9144, 0.2622,
0.3937

■ 29.7139, 0.2679,
0.3810

■ 30.6955, 0.2751,
0.3689

■ 31.8705, 0.2835,
0.3575

■ 33.2493, 0.2928,
0.3471

■ 34.8418, 0.3026,
0.3375

Harmonies

Analogous

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



27.2350, 0.3395, 0.4941



27.2350, 0.2574, 0.4465



27.2350, 0.1950, 0.3505

Triad

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



27.2350, 0.2574, 0.4465



27.2350, 0.2015, 0.1975



27.2350, 0.4861, 0.3549

Complementary

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



27.2350, 0.2574, 0.4465



8.0906, 0.5547, 0.2831

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.



27.2350, 0.4401, 0.2940



27.2350, 0.2574, 0.4465



27.2350, 0.2654, 0.2083

Square

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



27.2350, 0.2574, 0.4465



27.2350, 0.1685, 0.2140



27.2350, 0.3537, 0.2424



27.2350, 0.4750, 0.4184

Rectangle

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



27.2350, 0.2574, 0.4465



27.2350, 0.1717, 0.2893



27.2350, 0.3537, 0.2424



27.2350, 0.4770, 0.3340

Sweetspot

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



27.2361, 0.2574, 0.4465



56.9142, 0.2829, 0.3583



27.1533, 0.3212, 0.5830



12.5857, 0.2794, 0.3628



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



27.2361, 0.2574, 0.4465



48.7326, 0.2581, 0.4490



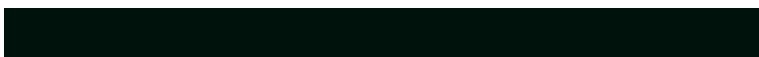
21.7850, 0.2130, 0.2868



7.9689, 0.3032, 0.3370



21.1738, 0.2571, 0.4455



0.4533, 0.2439, 0.3980

Inverse Universe

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



8.0906, 0.5547, 0.2831



14.4415, 0.5598, 0.2858



8.3596, 0.6267, 0.3404



7.1250, 0.3232, 0.3212



6.2899, 0.5528, 0.2819



0.1409, 0.4577, 0.2295

Previews

White Background



This preview shows how the Yxy color 27.2350, 0.2574, 0.4465 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 27.2350, 0.2574, 0.4465 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 27.2350, 0.2574, 0.4465

Background



This preview shows how black text looks on a background with the Yxy color 27.2350, 0.2574, 0.4465.



This preview shows how white text looks on a background with the Yxy color 27.2350, 0.2574, 0.4465.

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

27.2350, 0.2574, 0.4465

Protanopia

26.9814, 0.3718, 0.4018

Deuteranopia

26.7775, 0.3728, 0.3664



Tritanopia

27.1397, 0.2305, 0.3056

Trichromacy



Original Color

27.2350, 0.2574, 0.4465



Protanomaly

25.2742, 0.3054, 0.4256



Deuteranomaly

24.6868, 0.3045, 0.3974



Tritanomaly

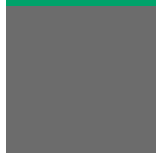
26.8731, 0.2378, 0.3538

Monochromacy



Original Color

27.2350, 0.2574, 0.4465



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

17.7651, 0.2714, 0.3759

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2350, 0.2574, 0.4465 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, 163, 106)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 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, 163, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 106) }
```

Border

The CSS property to change the border of an element to Yxy 27.2350, 0.2574, 0.4465 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, 163, 106) }
```

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

```
.border{ border-color:rgb(0, 163, 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, 163, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 106);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2350, 0.2574, 0.4465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 106) }
```

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

```
.background{ background-color: rgb(0, 163,  
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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