

Converting Colors

$Yxy(27.3288, 0.2586, 0.4450)$

Have a look what the booklet for
Yxy(27.3288, 0.2586, 0.4450)
contains.

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Color

Yxy(27.3132, 0.2588, 0.4460)

Conversions

Conversions Part 1

Format	Color
Hex	0CA36A
RGB	12, 163, 106
RGB Percent	5%, 64%, 42%
CMY	0.9538, 0.3608, 0.5842
CMYK	0.93, 0.00, 0.35, 0.36
HSL	157°, 87%, 34%
HSV	157°, 93%, 64%
XYZ	15.8490, 27.3132, 18.0782
YIQ	111.3530, -71.6990, -49.7390

Conversions

Conversions Part 2

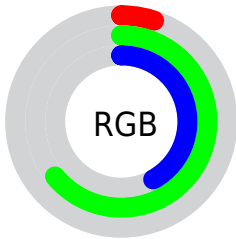
Format	Color
RYB	12, 105, 163
Decimal	828266
CIELab	59.26, -49.20, 19.84
CIELCh	59, 53.053, 158.040
Yxy	27.3132, 0.2588, 0.4460
Android (android.graphics.Color)	4279018346 (0xFF0CA36A)
YUV	111.3530, -2.6390, -87.1326
Hunter-Lab	52.2620, -37.3266, 16.0742

Details

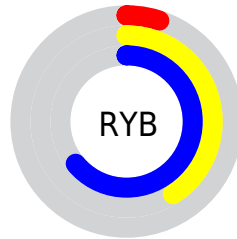
The Yxy color **27.3132, 0.2588, 0.4460** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.4720, 0.5234, 0.2720**, and the grayscale version is **16.0104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.4070, 0.2711, 0.4183**, and **11.4573, 0.2678, 0.4839** is the 20% darker color. If you saturate the color by 10%, you get **27.1475, 0.2601, 0.4562**, and if you desaturate by 10%, it is **27.6183, 0.2581, 0.4317**.

Distribution



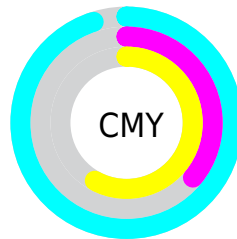
- Red (5%)
- Green (64%)
- Blue (42%)



- Red (5%)
- Yellow (41%)
- Blue (64%)



- Cyan (93%)
- Magenta (0%)
- Yellow (35%)
- Black (36%)





- Cyan (95%)
- Magenta (36%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.3132, 0.2588, 0.4460 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 27.3132, 0.2588, 0.4460 by changing the saturation by 10% instead.


 27.3132, 0.2588,
0.4460


 27.3132, 0.2588,
0.4460


289.1704, 0.2901,
0.3783


 17.8086, 0.2492,
0.4668


 55.3860, 0.2714,
0.4187


 10.8126, 0.2356,
0.4962


 74.7231, 0.2757,
0.4093


 5.9410, 0.2149,
0.5408

 98.1063, 0.2792,
0.4017

 2.8092, 0.1807,
0.6147

 125.9203, 0.2822,
0.3954

 1.0330, 0.0000,
1.0000

 158.5492, 0.2846,
0.3901

 0.0000, 0.0000,
0.0000

 196.3777, 0.2867,

0.3856

239.7899, 0.2885,
0.3817

■ 27.3132, 0.2588,
0.4460

■ 27.3132, 0.2588,
0.4460

■ 27.1475, 0.2601,
0.4562

■ 27.6183, 0.2581,
0.4317

■ 28.0561, 0.2594,
0.4173

■ 28.6456, 0.2627,
0.4030

■ 29.4018, 0.2677,
0.3891

■ 30.3377, 0.2742,
0.3758

■ 31.4652, 0.2820,
0.3633

■ 32.7949, 0.2908,
0.3517

■ 34.3369, 0.3002,
0.3411

■ 36.1003, 0.3100,
0.3315

Harmonies

Analogous

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



27.3132, 0.3404, 0.4925



27.3132, 0.2588, 0.4460



27.3132, 0.1966, 0.3514

Triad

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



27.3132, 0.2588, 0.4460



27.3132, 0.2020, 0.1986



27.3132, 0.4843, 0.3543

Complementary

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



27.3132, 0.2588, 0.4460



8.4720, 0.5234, 0.2720

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.



27.3132, 0.4381, 0.2938



27.3132, 0.2588, 0.4460



27.3132, 0.2650, 0.2091

Square

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



27.3132, 0.2588, 0.4460



27.3132, 0.1694, 0.2154



27.3132, 0.3524, 0.2427



27.3132, 0.4740, 0.4173

Rectangle

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



27.3132, 0.2588, 0.4460



27.3132, 0.1731, 0.2907



27.3132, 0.3524, 0.2427



27.3132, 0.4750, 0.3335

Sweetspot

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



27.3143, 0.2588, 0.4460



57.3130, 0.2856, 0.3582



27.5157, 0.3264, 0.5731



12.6610, 0.2821, 0.3631



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.



27.3143, 0.2588, 0.4460



48.5752, 0.2608, 0.4587



23.0836, 0.2165, 0.2950



7.9658, 0.3036, 0.3376



21.1060, 0.2597, 0.4549



0.4522, 0.2455, 0.4036

Inverse Universe

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



8.4720, 0.5234, 0.2720



14.5207, 0.5494, 0.2800



8.7134, 0.6118, 0.3412



7.1281, 0.3229, 0.3206



6.3253, 0.5425, 0.2762



0.1419, 0.4493, 0.2249

Previews

White Background



This preview shows how the Yxy color 27.3132, 0.2588, 0.4460 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 27.3132, 0.2588, 0.4460 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 27.3132, 0.2588, 0.4460

Background



This preview shows how black text looks on a background with the Yxy color 27.3132, 0.2588, 0.4460.



This preview shows how white text looks on a background with the Yxy color 27.3132, 0.2588, 0.4460.

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

27.3132, 0.2588, 0.4460

Protanopia

26.9814, 0.3718, 0.4018

Deuteranopia

26.7775, 0.3728, 0.3664



Tritanopia

27.1694, 0.2310, 0.3056

Trichromacy



Original Color

27.3132, 0.2588, 0.4460



Protanomaly

25.5576, 0.3102, 0.4242



Deuteranomaly

24.9348, 0.3085, 0.3966



Tritanomaly

26.9695, 0.2394, 0.3537

Monochromacy



Original Color

27.3132, 0.2588, 0.4460



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

18.5652, 0.2754, 0.3747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3132, 0.2588, 0.4460 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(12, 163, 106)` looks like.

```
.text, #text, p{  
    color:rgb(12, 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(12, 163, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 163, 106) }
```

Border

The CSS property to change the border of an element to Yxy 27.3132, 0.2588, 0.4460 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(12, 163, 106) }
```

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

```
.border{ border-color:rgb(12, 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(12, 163, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 163, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 163, 106);  
box-shadow:4px 4px 4px 4px rgb(12, 163,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3132, 0.2588, 0.4460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 163, 106) }
```

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

```
.background{ background-color: rgb(12, 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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