

Converting Colors

$Yxy(27.8758, 0.2203, 0.4692)$

Have a look what the booklet for
Yxy(27.8758, 0.2203, 0.4692)
contains.

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Color

$\text{Yxy}(29.7901, 0.2601, 0.4565)$

Conversions

Conversions Part 1

Format	Color
Hex	00AA6A
RGB	0, 170, 106
RGB Percent	0%, 67%, 42%
CMY	1.0000, 0.3333, 0.5843
CMYK	1.00, 0.00, 0.38, 0.33
HSL	157°, 100%, 33%
HSV	157°, 100%, 67%
XYZ	16.9735, 29.7901, 18.4940
YIQ	111.8740, -80.7760, -55.9440

Conversions

Conversions Part 2

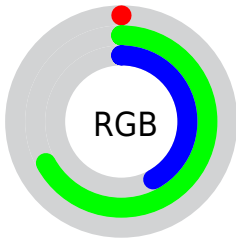
Format	Color
RYB	0, 105, 170
Decimal	43626
CIELab	61.47, -52.37, 22.81
CIELCh	61, 57.121, 156.461
Yxy	29.7901, 0.2601, 0.4565
Android (android.graphics.Color)	4278233706 (0xFF00AA6A)
YUV	111.8740, -2.8959, -98.1135
Hunter-Lab	54.5803, -40.0052, 18.1164

Details

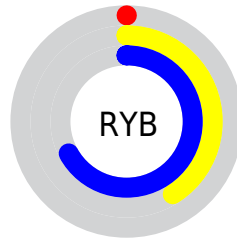
The Yxy color **29.7901, 0.2601, 0.4565** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.9171, 0.5458, 0.2780**, and the grayscale version is **16.1925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1366, 0.2724, 0.4264**, and **12.7963, 0.2705, 0.4939** is the 20% darker color. If you saturate the color by 10%, you get **29.7934, 0.2601, 0.4565**, and if you desaturate by 10%, it is **30.0508, 0.2584, 0.4424**.

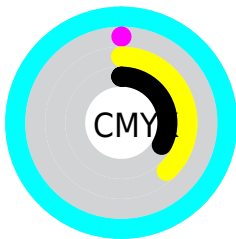
Distribution



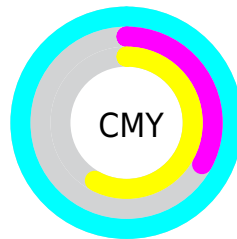
- Red (0%)
- Green (67%)
- Blue (42%)



- Red (0%)
- Yellow (41%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (38%)
- Black (33%)





- Cyan (100%)
- Magenta (33%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7901, 0.2601, 0.4565 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 29.7901, 0.2601, 0.4565 by changing the saturation by 10% instead.


 29.7901, 0.2601,
0.4565


 29.7901, 0.2601,
0.4565


300.9248, 0.2906,
0.3833

 19.6793, 0.2507,
0.4786


 59.3301, 0.2724,
0.4273


 12.1622, 0.2375,
0.5095


 79.5281, 0.2766,
0.4171


 6.8542, 0.2175,
0.5555


 103.8572, 0.2801,
0.4089

 3.3711, 0.1847,
0.6297

 132.7020, 0.2829,
0.4020

 1.3284, 0.0000,
1.0000

 166.4468, 0.2853,
0.3962

 0.1630, 0.0000,
1.0000

 205.4759, 0.2874,

 0.0000, 0.0000,

0.3913

0.0000

250.1738, 0.2891,
0.3870

■ 29.7901, 0.2601,
0.4565

■ 29.7901, 0.2601,
0.4565

■ 29.7934, 0.2601,
0.4565

■ 30.0508, 0.2584,
0.4424

■ 30.4201, 0.2583,
0.4280

■ 30.9425, 0.2601,
0.4136

■ 31.6369, 0.2638,
0.3993

■ 32.5193, 0.2692,
0.3855

■ 33.6038, 0.2761,
0.3723

■ 34.9031, 0.2843,
0.3600

■ 36.4288, 0.2932,
0.3487

■ 38.1918, 0.3028,
0.3383

Harmonies

Analogous

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



29.7901, 0.3451, 0.5009



29.7901, 0.2601, 0.4565



29.7901, 0.1943, 0.3575

Triad

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



29.7901, 0.2601, 0.4565



29.7901, 0.1952, 0.1939



29.7901, 0.4908, 0.3508

Complementary

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



29.7901, 0.2601, 0.4565



8.9171, 0.5458, 0.2780

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.



29.7901, 0.4398, 0.2889



29.7901, 0.2601, 0.4565



29.7901, 0.2586, 0.2035

Square

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



29.7901, 0.2601, 0.4565



29.7901, 0.1633, 0.2125



29.7901, 0.3488, 0.2370



29.7901, 0.4822, 0.4161

Rectangle

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



29.7901, 0.2601, 0.4565



29.7901, 0.1691, 0.2929



29.7901, 0.3488, 0.2370



29.7901, 0.4802, 0.3295

Sweetspot

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



29.7934, 0.2601, 0.4565



63.1826, 0.2838, 0.3607



29.8822, 0.3227, 0.5820



13.8659, 0.2804, 0.3656



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



29.7934, 0.2601, 0.4565



54.0077, 0.2608, 0.4589



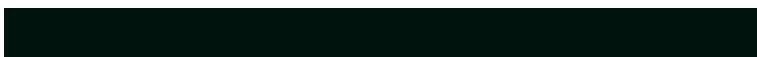
24.7709, 0.2145, 0.2920



8.4834, 0.3035, 0.3376



21.9251, 0.2597, 0.4550



0.5429, 0.2467, 0.4082

Inverse Universe

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



8.9171, 0.5458, 0.2780



16.1384, 0.5503, 0.2805



9.0415, 0.6296, 0.3383



7.5873, 0.3229, 0.3205



6.5689, 0.5430, 0.2765



0.1698, 0.4553, 0.2282

Previews

White Background



This preview shows how the Yxy color 29.7901, 0.2601, 0.4565 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 29.7901, 0.2601, 0.4565 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 29.7901, 0.2601, 0.4565

Background



This preview shows how black text looks on a background with the Yxy color 29.7901, 0.2601, 0.4565.



This preview shows how white text looks on a background with the Yxy color 29.7901, 0.2601, 0.4565.

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

29.7901, 0.2601, 0.4565

Protanopia

29.2041, 0.3772, 0.4067

Deuteranopia

29.1262, 0.3786, 0.3708



Tritanopia

29.9279, 0.2313, 0.3065

Trichromacy



Original Color

29.7901, 0.2601, 0.4565



Protanomaly

27.1876, 0.3097, 0.4318



Deuteranomaly

26.8973, 0.3091, 0.4061



Tritanomaly

29.5436, 0.2389, 0.3566

Monochromacy



Original Color

29.7901, 0.2601, 0.4565



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

19.2404, 0.2718, 0.3789

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7901, 0.2601, 0.4565 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, 170, 106)` looks like.

```
.text, #text, p{  
  color:rgb(0, 170, 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, 170, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 106) }
```

Border

The CSS property to change the border of an element to Yxy 29.7901, 0.2601, 0.4565 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, 170, 106) }
```

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

```
.border{ border-color:rgb(0, 170, 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, 170, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 106);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7901, 0.2601, 0.4565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 106) }
```

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

```
.background{ background-color: rgb(0, 170,  
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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