

Converting Colors

$Yxy(29.2117, 0.2579, 0.4486)$

Have a look what the booklet for
Yxy(29.2117, 0.2579, 0.4486)
contains.

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Color

Yxy(29.1094, 0.2576, 0.4473)

Conversions

Conversions Part 1

Format	Color
Hex	00A86D
RGB	0, 168, 109
RGB Percent	0%, 66%, 43%
CMY	0.9996, 0.3412, 0.5725
CMYK	1.00, 0.00, 0.35, 0.34
HSL	159°, 100%, 33%
HSV	159°, 100%, 66%
XYZ	16.7641, 29.1094, 19.2045
YIQ	111.0420, -81.1890, -53.9650

Conversions

Conversions Part 2

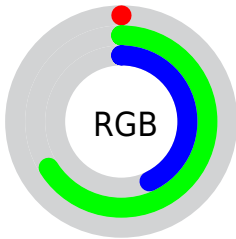
Format	Color
RYB	0, 102, 168
Decimal	43117
CIELab	60.88, -50.97, 20.39
CIELCh	61, 54.893, 158.199
Yxy	29.1094, 0.2576, 0.4473
Android (android.graphics.Color)	4278233197 (0xFF00A86D)
YUV	111.0420, -1.0067, -97.3838
Hunter-Lab	53.9531, -38.9552, 16.6630

Details

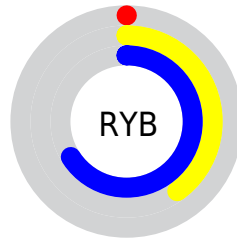
The Yxy color **29.1094, 0.2576, 0.4473** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.6442, 0.5552, 0.2833**, and the grayscale version is **15.9403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1087, 0.2701, 0.4196**, and **12.3715, 0.2672, 0.4819** is the 20% darker color. If you saturate the color by 10%, you get **29.1090, 0.2576, 0.4474**, and if you desaturate by 10%, it is **29.3597, 0.2561, 0.4341**.

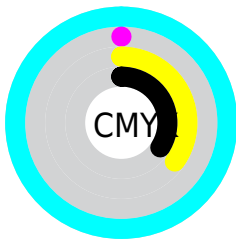
Distribution



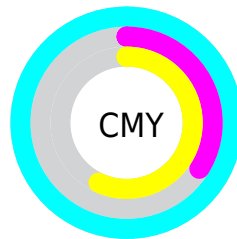
- Red (0%)
- Green (66%)
- Blue (43%)



- Red (0%)
- Yellow (40%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (34%)





- Cyan (100%)
- Magenta (34%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1094, 0.2576, 0.4473 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 29.1094, 0.2576, 0.4473 by changing the saturation by 10% instead.


 29.1094, 0.2576,
0.4473


 29.1094, 0.2576,
0.4473


297.7308, 0.2893,
0.3794

 19.1636, 0.2480,
0.4678


 58.2509, 0.2702,
0.4202


 11.7885, 0.2346,
0.4966


 78.2153, 0.2746,
0.4107


 6.5999, 0.2145,
0.5398


 102.2881, 0.2782,
0.4031

 3.2131, 0.1818,
0.6100

 130.8536, 0.2812,
0.3967

 1.2440, 0.0000,
1.0000

 164.2962, 0.2837,
0.3914

 0.0972, 0.0000,
1.0000

 203.0004, 0.2858,

 0.0000, 0.0000,

0.3868

0.0000

247.3504, 0.2876,
0.3828

■ 29.1094, 0.2576,
0.4473

■ 29.1094, 0.2576,
0.4473

■ 29.1090, 0.2576,
0.4474

■ 29.3597, 0.2561,
0.4341

■ 29.7167, 0.2562,
0.4208

■ 30.2217, 0.2582,
0.4074

■ 30.8929, 0.2622,
0.3942

■ 31.7457, 0.2678,
0.3814

■ 32.7939, 0.2750,
0.3692

■ 34.0497, 0.2834,
0.3578

■ 35.5243, 0.2926,
0.3473

■ 37.2283, 0.3025,
0.3376

Harmonies

Analogous

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



29.1094, 0.3400, 0.4947



29.1094, 0.2576, 0.4473



29.1094, 0.1950, 0.3510

Triad

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



29.1094, 0.2576, 0.4473



29.1094, 0.2010, 0.1972



29.1094, 0.4865, 0.3546

Complementary

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



29.1094, 0.2576, 0.4473



8.6442, 0.5552, 0.2833

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.



29.1094, 0.4401, 0.2936



29.1094, 0.2576, 0.4473



29.1094, 0.2648, 0.2079

Square

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



29.1094, 0.2576, 0.4473



29.1094, 0.1680, 0.2139



29.1094, 0.3533, 0.2420



29.1094, 0.4755, 0.4183

Rectangle

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



29.1094, 0.2576, 0.4473



29.1094, 0.1714, 0.2896



29.1094, 0.3533, 0.2420



29.1094, 0.4773, 0.3337

Sweetspot

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



29.1106, 0.2576, 0.4473



61.6356, 0.2828, 0.3585



29.0193, 0.3210, 0.5833



13.2256, 0.2794, 0.3630



84.8088, 0.3127, 0.3290



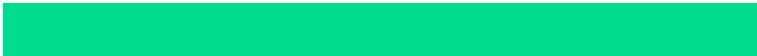
15.4872, 0.3127, 0.3290

Same Dimension

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



29.1106, 0.2576, 0.4473



52.7800, 0.2583, 0.4497



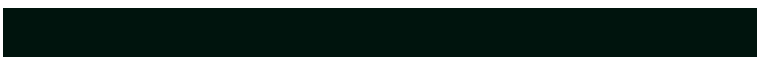
23.2674, 0.2130, 0.2866



8.4866, 0.3032, 0.3371



21.9917, 0.2572, 0.4461



0.5442, 0.2452, 0.4026

Inverse Universe

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



8.6442, 0.5552, 0.2833



15.6433, 0.5600, 0.2859



8.9182, 0.6272, 0.3401



7.5842, 0.3233, 0.3211



6.5342, 0.5528, 0.2819



0.1687, 0.4632, 0.2325

Previews

White Background



This preview shows how the Yxy color 29.1094, 0.2576, 0.4473 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 29.1094, 0.2576, 0.4473 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 29.1094, 0.2576, 0.4473

Background



This preview shows how black text looks on a background with the Yxy color 29.1094, 0.2576, 0.4473.



This preview shows how white text looks on a background with the Yxy color 29.1094, 0.2576, 0.4473.

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

29.1094, 0.2576, 0.4473

Protanopia

28.7470, 0.3725, 0.4013

Deuteranopia

28.5400, 0.3735, 0.3669



Tritanopia

29.0885, 0.2307, 0.3062

Trichromacy



Original Color

29.1094, 0.2576, 0.4473



Protanomaly

26.8572, 0.3064, 0.4248



Deuteranomaly

26.1931, 0.3046, 0.3976



Tritanomaly

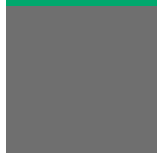
28.8085, 0.2378, 0.3530

Monochromacy



Original Color

29.1094, 0.2576, 0.4473



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

18.9679, 0.2715, 0.3769

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1094, 0.2576, 0.4473 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, 168, 109)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 109)  
}
```

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, 168, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 109) }
```

Border

The CSS property to change the border of an element to Yxy 29.1094, 0.2576, 0.4473 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, 168, 109) }
```

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

```
.border{ border-color:rgb(0, 168, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 168, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 109);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1094, 0.2576, 0.4473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 109) }
```

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

```
.background{ background-color: rgb(0, 168,  
109) }
```

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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