

Converting Colors

$Yxy(28.4785, 0.2600, 0.5031)$

Have a look what the booklet for
Yxy(28.4785, 0.2600, 0.5031)
contains.

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Color

Yxy(29.0318, 0.2718, 0.4986)

Conversions

Conversions Part 1

Format	Color
Hex	00A955
RGB	0, 169, 85
RGB Percent	0%, 66%, 33%
CMY	1.0000, 0.3372, 0.6666
CMYK	1.00, 0.00, 0.50, 0.34
HSL	150°, 100%, 33%
HSV	150°, 100%, 66%
XYZ	15.8260, 29.0318, 13.3688
YIQ	108.8930, -73.7600, -61.9520

Conversions

Conversions Part 2

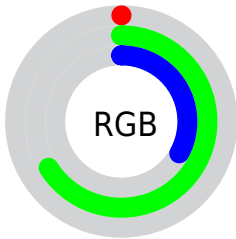
Format	Color
RYB	0, 112, 169
Decimal	43349
CIELab	60.81, -56.00, 33.03
CIELCh	61, 65.016, 149.472
Yxy	29.0318, 0.2718, 0.4986
Android (android.graphics.Color)	4278233429 (0xFF00A955)
YUV	108.8930, -11.7792, -95.4992
Hunter-Lab	53.8812, -41.8629, 23.0060

Details

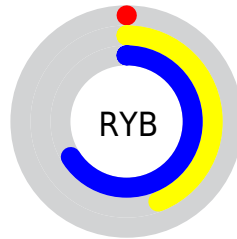
The Yxy color **29.0318, 0.2718, 0.4986** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **9.0755, 0.4958, 0.2505**, and the grayscale version is **15.3125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8521, 0.2829, 0.4587**, and **12.3950, 0.2853, 0.5470** is the 20% darker color. If you saturate the color by 10%, you get **29.0346, 0.2718, 0.4986**, and if you desaturate by 10%, it is **29.2944, 0.2693, 0.4806**.

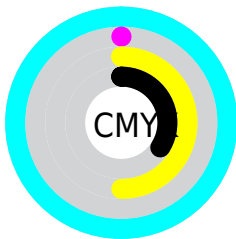
Distribution



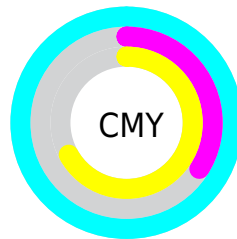
- Red (0%)
- Green (66%)
- Blue (33%)



- Red (0%)
- Yellow (44%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (34%)





- Cyan (100%)
- Magenta (34%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.0318, 0.2718, 0.4986 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 29.0318, 0.2718, 0.4986 by changing the saturation by 10% instead.


 29.0318, 0.2718,
0.4986


 29.0318, 0.2718,
0.4986


297.3650, 0.2980,
0.3999


 19.1049, 0.2626,
0.5286


 58.1276, 0.2831,
0.4590

 11.7461, 0.2488,
0.5704


 78.0653, 0.2868,
0.4453


 6.5710, 0.2264,
0.6318


 102.1087, 0.2897,
0.4341

 3.1953, 0.1950,
0.7577

 130.6421, 0.2920,
0.4249

 1.2345, 0.0000,
1.0000

 164.0501, 0.2939,
0.4172

 0.0896, 0.0000,
1.0000

 202.7170, 0.2955,

 0.0000, 0.0000,

0.4106

0.0000

247.0271, 0.2969,
0.4049

■ 29.0318, 0.2718,
0.4986

■ 29.0318, 0.2718,
0.4986

■ 29.0346, 0.2718,
0.4986

■ 29.2944, 0.2693,
0.4806

■ 29.6708, 0.2682,
0.4618

■ 30.2050, 0.2691,
0.4426

■ 30.9158, 0.2719,
0.4234

■ 31.8192, 0.2763,
0.4047

■ 32.9293, 0.2821,
0.3870

■ 34.2591, 0.2889,
0.3704

■ 35.8201, 0.2965,
0.3552

■ 37.6233, 0.3045,
0.3414

Harmonies

Analogous

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



29.0318, 0.3678, 0.5249



29.0318, 0.2718, 0.4986



29.0318, 0.1921, 0.3895

Triad

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



29.0318, 0.2718, 0.4986



29.0318, 0.1702, 0.1801



29.0318, 0.5085, 0.3332

Complementary

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



29.0318, 0.2718, 0.4986



9.0755, 0.4958, 0.2505

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.



29.0318, 0.4362, 0.2680



29.0318, 0.2718, 0.4986



29.0318, 0.2313, 0.1845

Square

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



29.0318, 0.2718, 0.4986



29.0318, 0.1436, 0.2070



29.0318, 0.3272, 0.2154



29.0318, 0.5111, 0.4043

Rectangle

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



29.0318, 0.2718, 0.4986



29.0318, 0.1592, 0.3096



29.0318, 0.3272, 0.2154



29.0318, 0.4915, 0.3106

Sweetspot

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



29.0346, 0.2718, 0.4986



61.2129, 0.2885, 0.3712



30.2864, 0.3370, 0.5706



13.1239, 0.2857, 0.3778



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.



29.0346, 0.2718, 0.4986



51.9527, 0.2727, 0.5016



31.2431, 0.2247, 0.3287



8.4683, 0.3051, 0.3404



21.6484, 0.2713, 0.4968



0.5370, 0.2544, 0.4358

Inverse Universe

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



9.0755, 0.4958, 0.2505



16.2102, 0.4996, 0.2526



8.4357, 0.6401, 0.3300



7.6021, 0.3211, 0.3178



6.7742, 0.4936, 0.2493



0.1752, 0.4225, 0.2101

Previews

White Background



This preview shows how the Yxy color 29.0318, 0.2718, 0.4986 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 29.0318, 0.2718, 0.4986 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 29.0318, 0.2718, 0.4986

Background



This preview shows how black text looks on a background with the Yxy color 29.0318, 0.2718, 0.4986.



This preview shows how white text looks on a background with the Yxy color 29.0318, 0.2718, 0.4986.

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

29.0318, 0.2718, 0.4986

Protanopia

28.6707, 0.3978, 0.4334

Deuteranopia

28.4857, 0.4048, 0.3961



Tritanopia

28.8986, 0.2334, 0.3062

Trichromacy



Original Color

29.0318, 0.2718, 0.4986



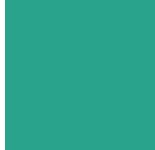
Protanomaly

26.5152, 0.3258, 0.4674



Deuteranomaly

25.9956, 0.3289, 0.4399



Tritanomaly

28.5593, 0.2446, 0.3726

Monochromacy



Original Color

29.0318, 0.2718, 0.4986



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

18.4179, 0.2785, 0.3985

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.0318, 0.2718, 0.4986 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, 169, 85)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 85)  
}
```

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, 169, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 85) }
```

Border

The CSS property to change the border of an element to Yxy 29.0318, 0.2718, 0.4986 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, 169, 85) }
```

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

```
.border{ border-color:rgb(0, 169, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 169, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 85);  
box-shadow:4px 4px 4px 4px rgb(0, 169, 85)  
}
```


Background

The CSS property to change the background color of an element to Yxy 29.0318, 0.2718, 0.4986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 169, 85) }
```

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

```
.background{ background-color: rgb(0, 169,  
85) }
```

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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