

Converting Colors

$Yxy(29.4534, 0.2761, 0.5141)$

Have a look what the booklet for
Yxy(29.4534, 0.2761, 0.5141)
contains.

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Color

$Y_{xy}(29.2995, 0.2759, 0.5133)$

Conversions

Conversions Part 1

Format	Color
Hex	00AA4E
RGB	0, 170, 78
RGB Percent	0%, 67%, 31%
CMY	1.0000, 0.3333, 0.6941
CMYK	1.00, 0.00, 0.54, 0.33
HSL	148°, 100%, 33%
HSV	148°, 100%, 67%
XYZ	15.7486, 29.2995, 12.0326
YIQ	108.6820, -71.7880, -64.6520

Conversions

Conversions Part 2

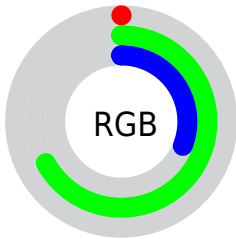
Format	Color
RYB	0, 117, 170
Decimal	43598
CIELab	61.05, -57.47, 36.86
CIELCh	61, 68.273, 147.323
Yxy	29.2995, 0.2759, 0.5133
Android (android.graphics.Color)	4278233678 (0xFF00AA4E)
YUV	108.6820, -15.1262, -95.3141
Hunter-Lab	54.1290, -42.7921, 24.7104

Details

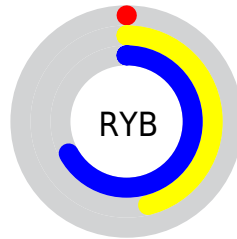
The Yxy color **29.2995, 0.2759, 0.5133** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **9.3194, 0.4773, 0.2403**, and the grayscale version is **15.2578, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7985, 0.2871, 0.4709**, and **12.5795, 0.2901, 0.5642** is the 20% darker color. If you saturate the color by 10%, you get **29.3015, 0.2759, 0.5133**, and if you desaturate by 10%, it is **29.5620, 0.2732, 0.4943**.

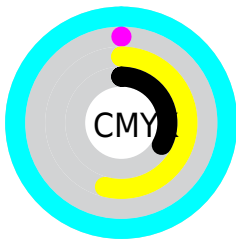
Distribution



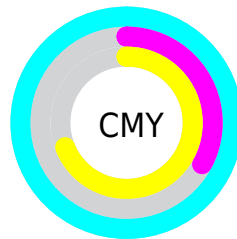
- Red (0%)
- Green (67%)
- Blue (31%)



- Red (0%)
- Yellow (46%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (54%)
- Black (33%)




- Cyan (100%)
- Magenta (33%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2995, 0.2759, 0.5133 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 29.2995, 0.2759, 0.5133 by changing the saturation by 10% instead.

 29.2995, 0.2759,
0.5133


 29.2995, 0.2759,
0.5133


298.6255, 0.3007,
0.4061

 19.3075, 0.2667,
0.5456


 58.5526, 0.2869,
0.4703

 11.8927, 0.2525,
0.5904


 78.5825, 0.2904,
0.4554


 6.6706, 0.2291,
0.6551


 102.7271, 0.2931,
0.4433

 3.2570, 0.1995,
0.8005

 131.3709, 0.2953,
0.4333

 1.2673, 0.0000,
1.0000

 164.8983, 0.2970,
0.4248

 0.1157, 0.0000,
1.0000

 203.6935, 0.2985,

 0.0000, 0.0000,

0.4177

0.0000

248.1411, 0.2997,
0.4115

■ 29.2995, 0.2759,
0.5133

■ 29.2995, 0.2759,
0.5133

■ 29.3015, 0.2759,
0.5133

■ 29.5620, 0.2732,
0.4943

■ 29.9435, 0.2718,
0.4742

■ 30.4876, 0.2724,
0.4533

■ 31.2137, 0.2748,
0.4323

■ 32.1382, 0.2789,
0.4119

■ 33.2755, 0.2843,
0.3924

■ 34.6388, 0.2906,
0.3743

■ 36.2401, 0.2976,
0.3576

■ 38.0906, 0.3051,
0.3425

Harmonies

Analogous

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



29.2995, 0.3754, 0.5317



29.2995, 0.2759, 0.5133



29.2995, 0.1916, 0.4017

Triad

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



29.2995, 0.2759, 0.5133



29.2995, 0.1621, 0.1755



29.2995, 0.5141, 0.3270

Complementary

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



29.2995, 0.2759, 0.5133



9.3194, 0.4773, 0.2403

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.



29.2995, 0.4342, 0.2608



29.2995, 0.2759, 0.5133



29.2995, 0.2220, 0.1782

Square

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



29.2995, 0.2759, 0.5133



29.2995, 0.1371, 0.2054



29.2995, 0.3193, 0.2082



29.2995, 0.5209, 0.3996

Rectangle

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



29.2995, 0.2759, 0.5133



29.2995, 0.1560, 0.3162



29.2995, 0.3193, 0.2082



29.2995, 0.4948, 0.3041

Sweetspot

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



29.3015, 0.2759, 0.5133



62.6987, 0.2902, 0.3752



31.1049, 0.3441, 0.5650



13.7469, 0.2876, 0.3825



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.



29.3015, 0.2759, 0.5133



53.1180, 0.2768, 0.5164



31.3425, 0.2289, 0.3440



8.4629, 0.3056, 0.3415



21.5641, 0.2754, 0.5113



0.5351, 0.2573, 0.4461

Inverse Universe

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



9.3194, 0.4773, 0.2403



16.8635, 0.4808, 0.2422



8.5653, 0.6343, 0.3268



7.6077, 0.3205, 0.3168



6.8664, 0.4752, 0.2391



0.1772, 0.4118, 0.2042

Previews

White Background



This preview shows how the Yxy color 29.2995, 0.2759, 0.5133 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 29.2995, 0.2759, 0.5133 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 29.2995, 0.2759, 0.5133

Background



This preview shows how black text looks on a background with the Yxy color 29.2995, 0.2759, 0.5133.



This preview shows how white text looks on a background with the Yxy color 29.2995, 0.2759, 0.5133.

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

29.2995, 0.2759, 0.5133

Protanopia

28.9910, 0.4041, 0.4431

Deuteranopia

28.8930, 0.4135, 0.4061



Tritanopia

29.3170, 0.2337, 0.3064

Trichromacy



Original Color

29.2995, 0.2759, 0.5133



Protanomaly

26.8073, 0.3317, 0.4802



Deuteranomaly

26.2685, 0.3355, 0.4534



Tritanomaly

28.8781, 0.2466, 0.3784

Monochromacy



Original Color

29.2995, 0.2759, 0.5133



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

18.3797, 0.2803, 0.4032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2995, 0.2759, 0.5133 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, 78)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 78)  
}
```

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, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 78) }
```

Border

The CSS property to change the border of an element to Yxy 29.2995, 0.2759, 0.5133 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, 78) }
```

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

```
.border{ border-color:rgb(0, 170, 78) }
```

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, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 78);  
box-shadow:4px 4px 4px 4px rgb(0, 170, 78)  
}
```


Background

The CSS property to change the background color of an element to Yxy 29.2995, 0.2759, 0.5133 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, 78) }
```

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

```
.background{ background-color: rgb(0, 170,  
78) }
```

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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