

Converting Colors

$Yxy(28.5238, 0.2556, 0.4909)$

Have a look what the booklet for
Yxy(28.5238, 0.2556, 0.4909)
contains.

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Color

Yxy(29.1313, 0.2685, 0.4865)

Conversions

Conversions Part 1

Format	Color
Hex	00A95B
RGB	0, 169, 91
RGB Percent	0%, 66%, 36%
CMY	0.9993, 0.3373, 0.6432
CMYK	1.00, 0.00, 0.46, 0.34
HSL	152°, 100%, 33%
HSV	152°, 100%, 66%
XYZ	16.0776, 29.1313, 14.6704
YIQ	109.5770, -75.6860, -60.0860

Conversions

Conversions Part 2

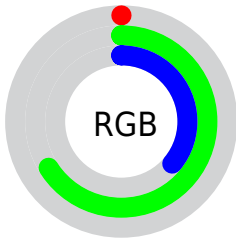
Format	Color
RYB	0, 110, 169
Decimal	43355
CIELab	60.90, -54.93, 30.05
CIELCh	61, 62.613, 151.319
Yxy	29.1313, 0.2685, 0.4865
Android (android.graphics.Color)	4278233435 (0xFF00A95B)
YUV	109.5770, -9.1585, -96.0990
Hunter-Lab	53.9734, -41.2819, 21.6659

Details

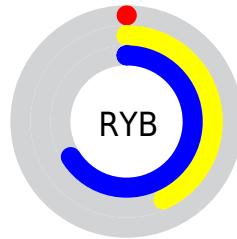
The Yxy color **29.1313, 0.2685, 0.4865** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **8.9921, 0.5102, 0.2585**, and the grayscale version is **15.5252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.0276, 0.2799, 0.4497**, and **12.4359, 0.2813, 0.5328** is the 20% darker color. If you saturate the color by 10%, you get **29.1297, 0.2685, 0.4867**, and if you desaturate by 10%, it is **29.3931, 0.2662, 0.4695**.

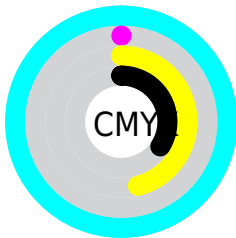
Distribution



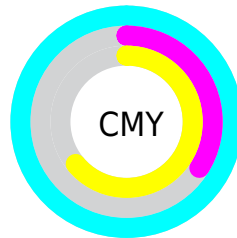
- Red (0%)
- Green (66%)
- Blue (36%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (46%)
- Black (34%)





- Cyan (100%)
- Magenta (34%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1313, 0.2685, 0.4865 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 29.1313, 0.2685, 0.4865 by changing the saturation by 10% instead.


 29.1313, 0.2685,
0.4865


 29.1313, 0.2685,
0.4865


297.8340, 0.2959,
0.3951

 19.1802, 0.2593,
0.5143


 58.2856, 0.2800,
0.4498


 11.8005, 0.2457,
0.5532

 78.2576, 0.2839,
0.4371


 6.6080, 0.2242,
0.6108


 102.3387, 0.2869,
0.4268

 3.2182, 0.1909,
0.7161

 130.9132, 0.2894,
0.4183

 1.2467, 0.0000,
1.0000

 164.3656, 0.2914,
0.4111

 0.0993, 0.0000,
1.0000

 203.0803, 0.2932,

 0.0000, 0.0000,

0.4050

0.0000

247.4416, 0.2946,
0.3997

■ 29.1313, 0.2685,
0.4865

■ 29.1313, 0.2685,
0.4865

■ 29.1297, 0.2685,
0.4867

■ 29.3931, 0.2662,
0.4695

■ 29.7693, 0.2654,
0.4519

■ 30.3015, 0.2665,
0.4340

■ 31.0083, 0.2696,
0.4162

■ 31.9057, 0.2743,
0.3989

■ 33.0076, 0.2804,
0.3825

■ 34.3268, 0.2876,
0.3672

■ 35.8748, 0.2956,
0.3531

■ 37.6626, 0.3041,
0.3404

Harmonies

Analogous

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



29.1313, 0.3615, 0.5186



29.1313, 0.2685, 0.4865



29.1313, 0.1927, 0.3799

Triad

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



29.1313, 0.2685, 0.4865



29.1313, 0.1771, 0.1839



29.1313, 0.5036, 0.3382

Complementary

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



29.1313, 0.2685, 0.4865



8.9921, 0.5102, 0.2585

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.



29.1313, 0.4375, 0.2739



29.1313, 0.2685, 0.4865



29.1313, 0.2389, 0.1898

Square

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



29.1313, 0.2685, 0.4865



29.1313, 0.1490, 0.2085



29.1313, 0.3335, 0.2215



29.1313, 0.5029, 0.4079

Rectangle

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



29.1313, 0.2685, 0.4865



29.1313, 0.1620, 0.3046



29.1313, 0.3335, 0.2215



29.1313, 0.4885, 0.3160

Sweetspot

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



29.1325, 0.2685, 0.4865



61.3114, 0.2871, 0.3682



30.0374, 0.3327, 0.5740



13.1475, 0.2841, 0.3742



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.



29.1325, 0.2685, 0.4865



52.1267, 0.2693, 0.4895



29.1930, 0.2219, 0.3186



8.4727, 0.3046, 0.3396



21.7211, 0.2680, 0.4850



0.5386, 0.2522, 0.4278

Inverse Universe

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



8.9921, 0.5102, 0.2585



16.0529, 0.5145, 0.2608



8.5618, 0.6372, 0.3321



7.5978, 0.3216, 0.3186



6.7082, 0.5080, 0.2572



0.1736, 0.4312, 0.2149

Previews

White Background



This preview shows how the Yxy color 29.1313, 0.2685, 0.4865 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 29.1313, 0.2685, 0.4865 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 29.1313, 0.2685, 0.4865

Background



This preview shows how black text looks on a background with the Yxy color 29.1313, 0.2685, 0.4865.



This preview shows how white text looks on a background with the Yxy color 29.1313, 0.2685, 0.4865.

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

29.1313, 0.2685, 0.4865

Protanopia

28.6559, 0.3912, 0.4257

Deuteranopia

28.7520, 0.3977, 0.3908



Tritanopia

29.2155, 0.2324, 0.3063

Trichromacy



Original Color

29.1313, 0.2685, 0.4865



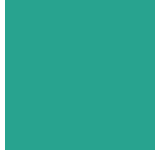
Protanomaly

26.6079, 0.3211, 0.4566



Deuteranomaly

26.3389, 0.3233, 0.4325



Tritanomaly

28.6287, 0.2425, 0.3667

Monochromacy



Original Color

29.1313, 0.2685, 0.4865



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

18.5140, 0.2766, 0.3913

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1313, 0.2685, 0.4865 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, 91)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 91)  
}
```

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, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 91) }
```

Border

The CSS property to change the border of an element to Yxy 29.1313, 0.2685, 0.4865 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, 91) }
```

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

```
.border{ border-color:rgb(0, 169, 91) }
```

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, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 91);  
box-shadow:4px 4px 4px 4px rgb(0, 169, 91)  
}
```


Background

The CSS property to change the background color of an element to Yxy 29.1313, 0.2685, 0.4865 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, 91) }
```

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

```
.background{ background-color: rgb(0, 169,  
91) }
```

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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