

Converting Colors

$Yxy(29.8947, 0.2892, 0.4938)$

Have a look what the booklet for
Yxy(29.8947, 0.2892, 0.4938)
contains.

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Color

Yxy(29.9156, 0.2889, 0.4930)

Conversions

Conversions Part 1

Format	Color
Hex	3AA954
RGB	58, 169, 84
RGB Percent	23%, 66%, 33%
CMY	0.7727, 0.3372, 0.6706
CMYK	0.66, 0.00, 0.50, 0.34
HSL	134°, 49%, 45%
HSV	134°, 66%, 66%
XYZ	17.5307, 29.9156, 13.2345
YIQ	126.1210, -38.8710, -49.9670

Conversions

Conversions Part 2

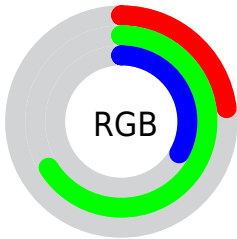
Format	Color
RYB	58, 148, 169
Decimal	3844436
CIELab	61.58, -49.79, 34.69
CIElCh	62, 60.682, 145.133
Yxy	29.9156, 0.2889, 0.4930
Android (android.graphics.Color)	4282034516 (0xFF3AA954)
YUV	126.1210, -20.7657, -59.7421
Hunter-Lab	54.6952, -38.5044, 23.9403

Details

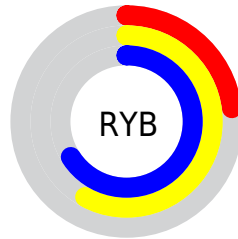
The Yxy color **29.9156, 0.2889, 0.4930** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **13.4400, 0.3588, 0.2112**, and the grayscale version is **20.9853, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4512, 0.2969, 0.4553**, and **12.6121, 0.2867, 0.5522** is the 20% darker color. If you saturate the color by 10%, you get **29.3068, 0.2884, 0.5204**, and if you desaturate by 10%, it is **30.7305, 0.2907, 0.4644**.

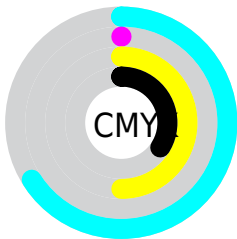
Distribution



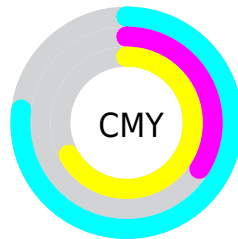
- Red (23%)
- Green (66%)
- Blue (33%)



- Red (23%)
- Yellow (58%)
- Blue (66%)



- Cyan (66%)
- Magenta (0%)
- Yellow (50%)
- Black (34%)





- Cyan (77%)
- Magenta (34%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.9156, 0.2889, 0.4930 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 29.9156, 0.2889, 0.4930 by changing the saturation by 10% instead.


 29.9156, 0.2889,
0.4930


 29.9156, 0.2889,
0.4930

301.5108, 0.3058,
0.3986


 19.7745, 0.2823,
0.5212

 59.5287, 0.2966,
0.4554


 12.2313, 0.2720,
0.5601


 79.7695, 0.2990,
0.4423

 6.9014, 0.2544,
0.6165


 104.1457, 0.3008,
0.4316

 3.4005, 0.2309,
0.7312

 133.0416, 0.3022,
0.4227

 1.3442, 0.0024,
0.9976

 166.8417, 0.3034,
0.4152

 0.1751, 0.0000,
1.0000

205.9303, 0.3043,

 0.0000, 0.0000,

0.4089

0.0000

250.6919, 0.3051,
0.4034

■ 29.9156, 0.2889,
0.4930

■ 29.9156, 0.2889,
0.4930

■ 29.3068, 0.2884,
0.5204

■ 30.7305, 0.2907,
0.4644

■ 28.8814, 0.2894,
0.5449

■ 31.7644, 0.2935,
0.4359

■ 28.6163, 0.2915,
0.5653

■ 33.0335, 0.2971,
0.4087

■ 28.5293, 0.2924,
0.5728

■ 34.5512, 0.3012,
0.3833

■ 36.3300, 0.3057,
0.3603

■ 38.3818, 0.3102,
0.3397

■ 40.7172, 0.3146,
0.3215

■ 43.3468, 0.3189,
0.3055

■ 46.2803, 0.3230,
0.2916

Harmonies

Analogous

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



29.9156, 0.3793, 0.5076



29.9156, 0.2889, 0.4930



29.9156, 0.2098, 0.4015

Triad

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



29.9156, 0.2889, 0.4930



29.9156, 0.1731, 0.1908



29.9156, 0.4881, 0.3254

Complementary

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



29.9156, 0.2889, 0.4930



13.4400, 0.3588, 0.2112

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.



29.9156, 0.4135, 0.2642



29.9156, 0.2889, 0.4930



29.9156, 0.2265, 0.1907

Square

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



29.9156, 0.2889, 0.4930



29.9156, 0.1521, 0.2223



29.9156, 0.3122, 0.2166



29.9156, 0.5017, 0.3926

Rectangle

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



29.9156, 0.2889, 0.4930



29.9156, 0.1745, 0.3272



29.9156, 0.3122, 0.2166



29.9156, 0.4691, 0.3041

Sweetspot

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



29.9168, 0.2889, 0.4930



63.5180, 0.3036, 0.3707



34.5319, 0.3751, 0.4926



13.6604, 0.3024, 0.3769



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.



29.9168, 0.2889, 0.4930



52.0844, 0.2887, 0.5323



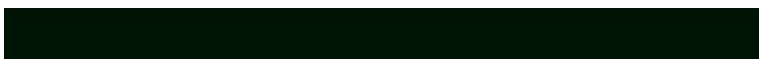
31.1526, 0.2537, 0.3833



8.4355, 0.3086, 0.3468



21.2678, 0.2920, 0.5711



0.5250, 0.2746, 0.5086

Inverse Universe

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



13.4400, 0.3588, 0.2112



20.3070, 0.3724, 0.1970



12.1550, 0.4646, 0.2879



7.6361, 0.3172, 0.3119



7.4841, 0.3894, 0.1919



0.1892, 0.3627, 0.1772

Previews

White Background



This preview shows how the Yxy color 29.9156, 0.2889, 0.4930 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 29.9156, 0.2889, 0.4930 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 29.9156, 0.2889, 0.4930

Background



This preview shows how black text looks on a background with the Yxy color 29.9156, 0.2889, 0.4930.



This preview shows how white text looks on a background with the Yxy color 29.9156, 0.2889, 0.4930.

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

29.9156, 0.2889, 0.4930

Protanopia

29.5022, 0.3986, 0.4350

Deuteranopia

29.3888, 0.4089, 0.4005



Tritanopia

29.6596, 0.2431, 0.3068

Trichromacy



Original Color

29.9156, 0.2889, 0.4930



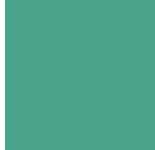
Protanomaly

28.7161, 0.3487, 0.4595



Deuteranomaly

27.9887, 0.3552, 0.4357



Tritanomaly

29.5837, 0.2600, 0.3710

Monochromacy



Original Color

29.9156, 0.2889, 0.4930



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

23.2604, 0.2997, 0.3893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9156, 0.2889, 0.4930 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(58, 169, 84)` looks like.

```
.text, #text, p{  
    color:rgb(58, 169, 84)  
}
```

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(58, 169, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 169, 84) }
```

Border

The CSS property to change the border of an element to Yxy 29.9156, 0.2889, 0.4930 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(58, 169, 84) }
```

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

```
.border{ border-color:rgb(58, 169, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 169, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 169, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 169, 84);  
box-shadow:4px 4px 4px 4px rgb(58, 169,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9156, 0.2889, 0.4930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 169, 84) }
```

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

```
.background{ background-color: rgb(58, 169,  
84) }
```

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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