

Converting Colors

$Yxy(29.2033, 0.2874, 0.4913)$

Have a look what the booklet for
Yxy(29.2033, 0.2874, 0.4913)
contains.

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Color

Yxy(29.1183, 0.2876, 0.4912)

Conversions

Conversions Part 1

Format	Color
Hex	38A754
RGB	56, 167, 84
RGB Percent	22%, 65%, 33%
CMY	0.7805, 0.3451, 0.6705
CMYK	0.66, 0.00, 0.50, 0.35
HSL	135°, 50%, 44%
HSV	135°, 66%, 65%
XYZ	17.0489, 29.1183, 13.1127
YIQ	124.3490, -39.5130, -49.3450

Conversions

Conversions Part 2

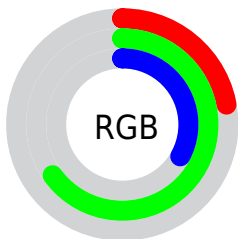
Format	Color
RYB	56, 145, 167
Decimal	3712852
CIELab	60.89, -49.42, 33.80
CIELCh	61, 59.872, 145.635
Yxy	29.1183, 0.2876, 0.4912
Android (android.graphics.Color)	4281902932 (0xFF38A754)
YUV	124.3490, -19.8921, -59.9421
Hunter-Lab	53.9614, -38.0360, 23.3654

Details

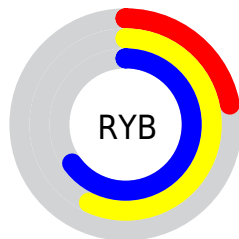
The Yxy color **29.1183, 0.2876, 0.4912** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **12.9038, 0.3629, 0.2128**, and the grayscale version is **20.3542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.2376, 0.2958, 0.4537**, and **12.1620, 0.2856, 0.5483** is the 20% darker color. If you saturate the color by 10%, you get **28.5377, 0.2872, 0.5181**, and if you desaturate by 10%, it is **29.8966, 0.2893, 0.4632**.

Distribution



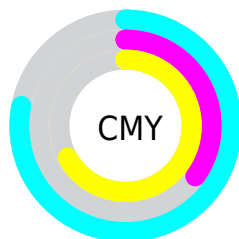
- Red (22%)
- Green (65%)
- Blue (33%)



- Red (22%)
- Yellow (57%)
- Blue (65%)



- Cyan (66%)
- Magenta (0%)
- Yellow (50%)
- Black (35%)





- Cyan (78%)
- Magenta (35%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1183, 0.2876, 0.4912 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 29.1183, 0.2876, 0.4912 by changing the saturation by 10% instead.

 29.1183, 0.2876,
0.4912


 29.1183, 0.2876,
0.4912


297.7727, 0.3051,
0.3974


 19.1703, 0.2808,
0.5194


 58.2650, 0.2955,
0.4537

 11.7934, 0.2702,
0.5585


 78.2325, 0.2980,
0.4407


 6.6032, 0.2523,
0.6156


 102.3086, 0.2999,
0.4301

 3.2152, 0.2289,
0.7357

 130.8778, 0.3014,
0.4213

 1.2451, 0.0000,
1.0000

 164.3244, 0.3026,
0.4139

 0.0981, 0.0000,
1.0000

203.0328, 0.3036,

 0.0000, 0.0000,

0.4076

0.0000

247.3875, 0.3044,
0.4022

■ 29.1183, 0.2876,
0.4912

■ 29.1183, 0.2876,
0.4912

■ 28.5377, 0.2872,
0.5181

■ 29.8966, 0.2893,
0.4632

■ 28.1327, 0.2883,
0.5423

■ 30.8851, 0.2922,
0.4353

■ 27.8790, 0.2906,
0.5627

■ 32.0995, 0.2960,
0.4086

■ 27.8079, 0.2914,
0.5690

■ 33.5529, 0.3003,
0.3838

■ 35.2573, 0.3049,
0.3611

■ 37.2241, 0.3096,
0.3409

■ 39.4638, 0.3144,
0.3230

■ 41.9864, 0.3189,
0.3072

■ 44.8015, 0.3233,
0.2935

Harmonies

Analogous

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



29.1183, 0.3777, 0.5073



29.1183, 0.2876, 0.4912



29.1183, 0.2092, 0.3993

Triad

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



29.1183, 0.2876, 0.4912



29.1183, 0.1742, 0.1911



29.1183, 0.4882, 0.3266

Complementary

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



29.1183, 0.2876, 0.4912



12.9038, 0.3629, 0.2128

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.



29.1183, 0.4147, 0.2654



29.1183, 0.2876, 0.4912



29.1183, 0.2280, 0.1914

Square

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



29.1183, 0.2876, 0.4912



29.1183, 0.1528, 0.2220



29.1183, 0.3139, 0.2177



29.1183, 0.5006, 0.3936

Rectangle

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



29.1183, 0.2876, 0.4912



29.1183, 0.1744, 0.3255



29.1183, 0.3139, 0.2177



29.1183, 0.4695, 0.3053

Sweetspot

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



29.1195, 0.2876, 0.4912



61.9023, 0.3031, 0.3696



33.4346, 0.3736, 0.4952



13.6686, 0.3018, 0.3757



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.



29.1195, 0.2876, 0.4912



50.7088, 0.2876, 0.5305



30.3504, 0.2522, 0.3804



8.4377, 0.3083, 0.3463



21.2843, 0.2909, 0.5674



0.5258, 0.2730, 0.5028

Inverse Universe

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



12.9038, 0.3629, 0.2128



19.4817, 0.3780, 0.1993



11.6769, 0.4711, 0.2904



7.6338, 0.3174, 0.3123



7.4241, 0.3957, 0.1953



0.1881, 0.3663, 0.1792

Previews

White Background



This preview shows how the Yxy color 29.1183, 0.2876, 0.4912 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 29.1183, 0.2876, 0.4912 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 29.1183, 0.2876, 0.4912

Background



This preview shows how black text looks on a background with the Yxy color 29.1183, 0.2876, 0.4912.



This preview shows how white text looks on a background with the Yxy color 29.1183, 0.2876, 0.4912.

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

29.1183, 0.2876, 0.4912

Protanopia

28.6707, 0.3978, 0.4334

Deuteranopia

28.4507, 0.4069, 0.3988



Tritanopia

29.1498, 0.2428, 0.3083

Trichromacy



Original Color

29.1183, 0.2876, 0.4912



Protanomaly

27.9013, 0.3475, 0.4579



Deuteranomaly

27.1050, 0.3528, 0.4341



Tritanomaly

28.7703, 0.2589, 0.3696

Monochromacy



Original Color

29.1183, 0.2876, 0.4912



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

22.5129, 0.2996, 0.3902

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1183, 0.2876, 0.4912 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(56, 167, 84)` looks like.

```
.text, #text, p{  
    color:rgb(56, 167, 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(56, 167, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 167, 84) }
```

Border

The CSS property to change the border of an element to Yxy 29.1183, 0.2876, 0.4912 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(56, 167, 84) }
```

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

```
.border{ border-color:rgb(56, 167, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 167, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 167, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 167, 84);  
box-shadow:4px 4px 4px 4px rgb(56, 167,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1183, 0.2876, 0.4912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 167, 84) }
```

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

```
.background{ background-color: rgb(56, 167,  
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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