

Converting Colors

$Yxy(27.0936, 0.2835, 0.4892)$

Have a look what the booklet for
Yxy(27.0936, 0.2835, 0.4892)
contains.

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Color

Yxy(27.0936, 0.2835, 0.4892)

Conversions

Conversions Part 1

Format	Color
Hex	30A253
RGB	48, 162, 83
RGB Percent	19%, 64%, 33%
CMY	0.8117, 0.3647, 0.6744
CMYK	0.70, 0.00, 0.49, 0.36
HSL	138°, 54%, 41%
HSV	138°, 70%, 64%
XYZ	15.7012, 27.0936, 12.5887
YIQ	118.9080, -42.5850, -48.7370

Conversions

Conversions Part 2

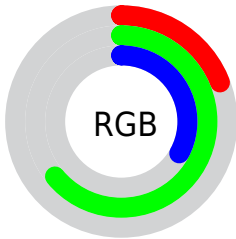
Format	Color
RYB	48, 135, 162
Decimal	3187283
CIELab	59.06, -49.19, 31.98
CIElCh	59, 58.674, 146.969
Yxy	27.0936, 0.2835, 0.4892
Android (android.graphics.Color)	4281377363 (0xFF30A253)
YUV	118.9080, -17.7026, -62.1863
Hunter-Lab	52.0515, -37.2460, 22.0968

Details

The Yxy color **27.0936, 0.2835, 0.4892** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **11.3281, 0.3781, 0.2165**, and the grayscale version is **18.4858, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.1152, 0.2922, 0.4514**, and **11.0586, 0.2850, 0.5461** is the 20% darker color. If you saturate the color by 10%, you get **26.6105, 0.2836, 0.5143**, and if you desaturate by 10%, it is **27.7508, 0.2850, 0.4630**.

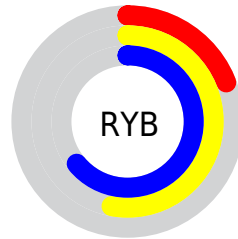
Distribution



Red (19%)

Green (64%)

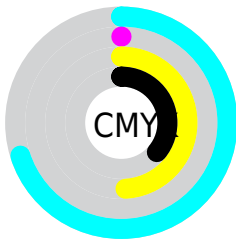
Blue (33%)



Red (19%)

Yellow (53%)

Blue (64%)

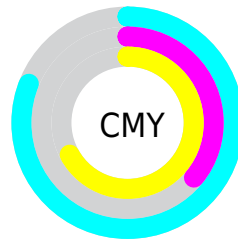


Cyan (70%)

Magenta (0%)

Yellow (49%)

Black (36%)



Cyan (81%)


Magenta (36%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0936, 0.2835, 0.4892 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 27.0936, 0.2835, 0.4892 by changing the saturation by 10% instead.


 27.0936, 0.2835,
0.4892


 27.0936, 0.2835,
0.4892


288.1100, 0.3033,
0.3956

 17.6435, 0.2760,
0.5179


 55.0340, 0.2923,
0.4514


 10.6944, 0.2644,
0.5584


 74.2932, 0.2951,
0.4384


 5.8617, 0.2447,
0.6182

 97.5908, 0.2973,
0.4278

 2.7612, 0.2219,
0.7612

 125.3113, 0.2990,
0.4191

 1.0084, 0.0000,
1.0000

 157.8391, 0.3003,
0.4118

 0.0000, 0.0000,
0.0000

195.5586, 0.3015,

0.4056

238.8541, 0.3024,
0.4002

■ 27.0936, 0.2835,
0.4892

■ 27.0936, 0.2835,
0.4892

■ 26.6105, 0.2836,
0.5143

■ 27.7508, 0.2850,
0.4630

■ 26.2804, 0.2853,
0.5371

■ 28.5941, 0.2878,
0.4369

■ 26.0696, 0.2878,
0.5562

■ 29.6383, 0.2917,
0.4117

■ 30.8956, 0.2964,
0.3881

■ 32.3773, 0.3016,
0.3665

■ 34.0938, 0.3070,
0.3470

■ 36.0549, 0.3125,
0.3296

■ 38.2700, 0.3179,
0.3143

■ 40.7477, 0.3232,
0.3008

Harmonies

Analogous

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



27.0936, 0.3739, 0.5089



27.0936, 0.2835, 0.4892



27.0936, 0.2060, 0.3946

Triad

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



27.0936, 0.2835, 0.4892



27.0936, 0.1755, 0.1901



27.0936, 0.4908, 0.3294

Complementary

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



27.0936, 0.2835, 0.4892



11.3281, 0.3781, 0.2165

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.



27.0936, 0.4193, 0.2677



27.0936, 0.2835, 0.4892



27.0936, 0.2309, 0.1916

Square

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



27.0936, 0.2835, 0.4892



27.0936, 0.1526, 0.2194



27.0936, 0.3183, 0.2190



27.0936, 0.5003, 0.3967

Rectangle

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



27.0936, 0.2835, 0.4892



27.0936, 0.1722, 0.3208



27.0936, 0.3183, 0.2190



27.0936, 0.4730, 0.3080

Sweetspot

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



27.0947, 0.2835, 0.4892



58.4800, 0.3010, 0.3686



30.6288, 0.3691, 0.5064



12.9696, 0.2997, 0.3741



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.0947, 0.2835, 0.4892



47.9623, 0.2843, 0.5266



28.3399, 0.2471, 0.3722



7.9292, 0.3076, 0.3450



20.5446, 0.2874, 0.5546



0.4398, 0.2671, 0.4816

Inverse Universe

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



11.3281, 0.3781, 0.2165



17.5173, 0.3977, 0.2067



10.2484, 0.4976, 0.2984



7.1650, 0.3182, 0.3136



6.9855, 0.4151, 0.2060



0.1546, 0.3741, 0.1834

Previews

White Background



This preview shows how the Yxy color 27.0936, 0.2835, 0.4892 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 27.0936, 0.2835, 0.4892 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 27.0936, 0.2835, 0.4892

Background



This preview shows how black text looks on a background with the Yxy color 27.0936, 0.2835, 0.4892.



This preview shows how white text looks on a background with the Yxy color 27.0936, 0.2835, 0.4892.

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

27.0936, 0.2835, 0.4892

Protanopia

26.5401, 0.3955, 0.4311

Deuteranopia

26.6122, 0.4038, 0.3967



Tritanopia

27.0356, 0.2408, 0.3076

Trichromacy



Original Color

27.0936, 0.2835, 0.4892



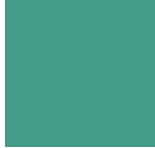
Protanomaly

25.7724, 0.3428, 0.4563



Deuteranomaly

25.3745, 0.3486, 0.4326



Tritanomaly

26.6845, 0.2560, 0.3691

Monochromacy



Original Color

27.0936, 0.2835, 0.4892



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

20.6957, 0.2962, 0.3885

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0936, 0.2835, 0.4892 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(48, 162, 83)` looks like.

```
.text, #text, p{  
    color:rgb(48, 162, 83)  
}
```

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(48, 162, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 162, 83) }
```

Border

The CSS property to change the border of an element to Yxy 27.0936, 0.2835, 0.4892 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(48, 162, 83) }
```

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

```
.border{ border-color:rgb(48, 162, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 162, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 162, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 162, 83);  
box-shadow:4px 4px 4px 4px rgb(48, 162,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0936, 0.2835, 0.4892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 162, 83) }
```

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

```
.background{ background-color: rgb(48, 162,  
83) }
```

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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