

Converting Colors

$Y_{xy}(27.4364, 0.2912, 0.4995)$

Have a look what the booklet for
Yxy(27.4364, 0.2912, 0.4995)
contains.

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Color

$\text{Yxy}(27.5710, 0.2914, 0.5001)$

Conversions

Conversions Part 1

Format	Color
Hex	38A34D
RGB	56, 163, 77
RGB Percent	22%, 64%, 30%
CMY	0.7806, 0.3608, 0.6981
CMYK	0.66, 0.00, 0.53, 0.36
HSL	132°, 49%, 43%
HSV	132°, 66%, 64%
XYZ	16.0652, 27.5710, 11.4948
YIQ	121.2030, -36.1660, -49.4300

Conversions

Conversions Part 2

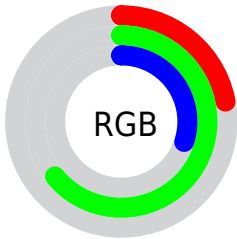
Format	Color
RYB	56, 145, 163
Decimal	3711821
CIELab	59.50, -48.98, 35.65
CIElCh	59, 60.575, 143.951
Yxy	27.5710, 0.2914, 0.5001
Android (android.graphics.Color)	4281901901 (0xFF38A34D)
YUV	121.2030, -21.7921, -57.1830
Hunter-Lab	52.5081, -37.2760, 23.7762

Details

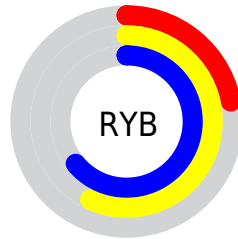
The Yxy color **27.5710, 0.2914, 0.5001** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **12.5623, 0.3517, 0.2065**, and the grayscale version is **19.2659, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.8664, 0.2989, 0.4600**, and **11.2357, 0.2895, 0.5622** is the 20% darker color. If you saturate the color by 10%, you get **27.0102, 0.2909, 0.5280**, and if you desaturate by 10%, it is **28.3241, 0.2930, 0.4706**.

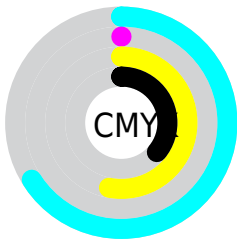
Distribution



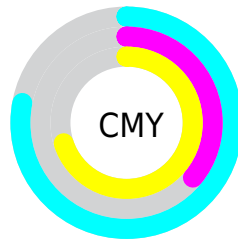
- Red (22%)
- Green (64%)
- Blue (30%)



- Red (22%)
- Yellow (57%)
- Blue (64%)



- Cyan (66%)
- Magenta (0%)
- Yellow (53%)
- Black (36%)





- Cyan (78%)
- Magenta (36%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5710, 0.2914, 0.5001 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 27.5710, 0.2914, 0.5001 by changing the saturation by 10% instead.


 27.5710, 0.2914,
0.5001


 27.5710, 0.2914,
0.5001


290.4113, 0.3074,
0.4004


 18.0025, 0.2846,
0.5303


 55.7988, 0.2990,
0.4600


 10.9518, 0.2736,
0.5724


 75.2269, 0.3013,
0.4462


 6.0344, 0.2543,
0.6336

 98.7103, 0.3030,
0.4349

 2.8660, 0.2300,
0.7700

 126.6335, 0.3043,
0.4256

 1.0622, 0.0000,
1.0000

 159.3808, 0.3054,
0.4178

 0.0000, 0.0000,
0.0000

197.3366, 0.3062,

0.4111

240.8853, 0.3069,
0.4054

■ 27.5710, 0.2914,
0.5001

■ 27.5710, 0.2914,
0.5001

■ 27.0102, 0.2909,
0.5280

■ 28.3241, 0.2930,
0.4706

■ 26.6207, 0.2917,
0.5525

■ 29.2818, 0.2956,
0.4409

■ 26.3807, 0.2935,
0.5722

■ 30.4588, 0.2989,
0.4124

■ 26.3017, 0.2942,
0.5793

■ 31.8680, 0.3026,
0.3858

■ 33.5210, 0.3065,
0.3617

■ 35.4286, 0.3105,
0.3401

■ 37.6011, 0.3144,
0.3211

■ 40.0481, 0.3181,
0.3044

■ 42.7788, 0.3217,
0.2899

Harmonies

Analogous

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



27.5710, 0.3836, 0.5108



27.5710, 0.2914, 0.5001



27.5710, 0.2099, 0.4080

Triad

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



27.5710, 0.2914, 0.5001



27.5710, 0.1689, 0.1886



27.5710, 0.4906, 0.3222

Complementary

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



27.5710, 0.2914, 0.5001



12.5623, 0.3517, 0.2065

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.



27.5710, 0.4121, 0.2605



27.5710, 0.2914, 0.5001



27.5710, 0.2217, 0.1874

Square

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



27.5710, 0.2914, 0.5001



27.5710, 0.1488, 0.2218



27.5710, 0.3081, 0.2129



27.5710, 0.5066, 0.3902

Rectangle

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



27.5710, 0.2914, 0.5001



27.5710, 0.1731, 0.3310



27.5710, 0.3081, 0.2129



27.5710, 0.4703, 0.3006

Sweetspot

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



27.5721, 0.2914, 0.5001



58.5826, 0.3047, 0.3727



32.3558, 0.3807, 0.4887



12.9823, 0.3036, 0.3792



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.



27.5721, 0.2914, 0.5001



47.9979, 0.2911, 0.5402



28.6242, 0.2573, 0.3939



7.9168, 0.3091, 0.3476



20.4446, 0.2939, 0.5780



0.4355, 0.2771, 0.5177

Inverse Universe

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



12.5623, 0.3517, 0.2065



19.0256, 0.3630, 0.1914



11.3461, 0.4525, 0.2797



7.1782, 0.3166, 0.3111



7.3306, 0.3767, 0.1849



0.1598, 0.3532, 0.1720

Previews

White Background



This preview shows how the Yxy color 27.5710, 0.2914, 0.5001 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 27.5710, 0.2914, 0.5001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

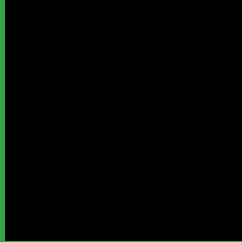
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.5710, 0.2914, 0.5001

Background



This preview shows how black text looks on a background with the Yxy color 27.5710, 0.2914, 0.5001.



This preview shows how white text looks on a background with the Yxy color 27.5710, 0.2914, 0.5001.

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

27.5710, 0.2914, 0.5001

Protanopia

26.9563, 0.4024, 0.4395

Deuteranopia

27.1326, 0.4129, 0.4053



Tritanopia

27.3295, 0.2436, 0.3061

Trichromacy



Original Color

27.5710, 0.2914, 0.5001



Protanomaly

26.2868, 0.3516, 0.4655



Deuteranomaly

25.8977, 0.3582, 0.4423



Tritanomaly

27.2516, 0.2612, 0.3725

Monochromacy



Original Color

27.5710, 0.2914, 0.5001



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

21.1696, 0.3013, 0.3917

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5710, 0.2914, 0.5001 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, 163, 77)` looks like.

```
.text, #text, p{  
    color:rgb(56, 163, 77)  
}
```

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, 163, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 163, 77) }
```

Border

The CSS property to change the border of an element to Yxy 27.5710, 0.2914, 0.5001 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, 163, 77) }
```

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

```
.border{ border-color:rgb(56, 163, 77) }
```

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

Here you see how a box with a 4 pixel rgb(56, 163, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 163, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 163, 77);  
box-shadow:4px 4px 4px 4px rgb(56, 163,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5710, 0.2914, 0.5001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 163, 77) }
```

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

```
.background{ background-color: rgb(56, 163,  
77) }
```

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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