

Converting Colors

$Yxy(25.0143, 0.2878, 0.5041)$

Have a look what the booklet for
Yxy(25.0143, 0.2878, 0.5041)
contains.

Yxy(25.1758, 0.2879, 0.5039)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(25.1758, 0.2879, 0.5039)

Conversions

Conversions Part 1

Format	Color
Hex	2E9D49
RGB	46, 157, 73
RGB Percent	18%, 62%, 29%
CMY	0.8198, 0.3843, 0.7138
CMYK	0.71, 0.00, 0.54, 0.38
HSL	135°, 55%, 40%
HSV	135°, 71%, 62%
XYZ	14.3840, 25.1758, 10.4021
YIQ	114.2350, -39.1920, -49.6560

Conversions

Conversions Part 2

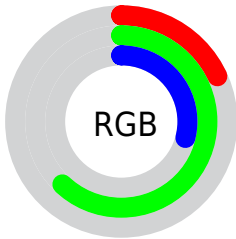
Format	Color
R_{YB}	46, 135, 157
Decimal	3054921
CIE _{Lab}	57.25, -49.27, 34.86
CIE _{LCh}	57, 60.351, 144.719
Yxy	25.1758, 0.2879, 0.5039
Android (android.graphics.Color)	4281245001 (0xFF2E9D49)
YUV	114.2350, -20.3289, -59.8421
Hunter-Lab	50.1755, -36.6357, 22.8312

Details

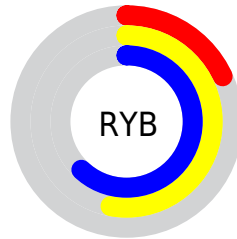
The Yxy color **25.1758, 0.2879, 0.5039** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **10.7294, 0.3649, 0.2071**, and the grayscale version is **16.9682, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.1695, 0.2963, 0.4615**, and **9.9666, 0.2906, 0.5663** is the 20% darker color. If you saturate the color by 10%, you get **24.7342, 0.2881, 0.5299**, and if you desaturate by 10%, it is **25.7829, 0.2891, 0.4761**.

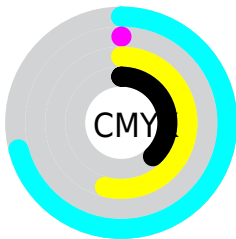
Distribution



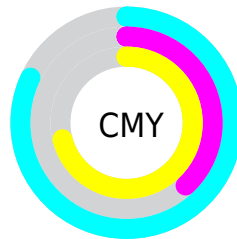
- Red (18%)
- Green (62%)
- Blue (29%)



- Red (18%)
- Yellow (53%)
- Blue (62%)



- Cyan (71%)
- Magenta (0%)
- Yellow (54%)
- Black (38%)




- Cyan (82%)
- Magenta (38%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.1758, 0.2879, 0.5039 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 25.1758, 0.2879, 0.5039 by changing the saturation by 10% instead.


 25.1758, 0.2879,
0.5039


 25.1758, 0.2879,
0.5039


278.7123, 0.3062,
0.4005


 16.2081, 0.2802,
0.5360


 51.9423, 0.2965,
0.4619


 9.6715, 0.2676,
0.5813


 70.5098, 0.2991,
0.4475

 5.1817, 0.2455,
0.6485

 93.0461, 0.3011,
0.4359


 2.3543, 0.2063,
0.7937

 119.9355, 0.3026,
0.4263

 0.8022, 0.0000,
1.0000

 151.5624, 0.3038,
0.4183

 0.0000, 0.0000,
0.0000

 188.3113, 0.3047,

0.4114

230.5664, 0.3055,
0.4056

■ 25.1758, 0.2879,
0.5039

■ 25.1758, 0.2879,
0.5039

■ 24.7342, 0.2881,
0.5299

■ 25.7829, 0.2891,
0.4761

■ 24.4379, 0.2896,
0.5527

■ 26.5669, 0.2915,
0.4478

■ 24.2578, 0.2917,
0.5701

■ 27.5420, 0.2948,
0.4204

■ 28.7199, 0.2988,
0.3945

■ 30.1113, 0.3032,
0.3708

■ 31.7263, 0.3078,
0.3493

■ 33.5742, 0.3124,
0.3303

■ 35.6639, 0.3169,
0.3136

■ 38.0038, 0.3212,
0.2989

Harmonies

Analogous

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



25.1758, 0.3821, 0.5161



25.1758, 0.2879, 0.5039



25.1758, 0.2054, 0.4072

Triad

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



25.1758, 0.2879, 0.5039



25.1758, 0.1668, 0.1851



25.1758, 0.4966, 0.3232

Complementary

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



25.1758, 0.2879, 0.5039



10.7294, 0.3649, 0.2071

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.



25.1758, 0.4173, 0.2603



25.1758, 0.2879, 0.5039



25.1758, 0.2213, 0.1849

Square

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



25.1758, 0.2879, 0.5039



25.1758, 0.1457, 0.2177



25.1758, 0.3104, 0.2114



25.1758, 0.5107, 0.3924

Rectangle

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



25.1758, 0.2879, 0.5039



25.1758, 0.1688, 0.3278



25.1758, 0.3104, 0.2114



25.1758, 0.4763, 0.3012

Sweetspot

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



25.1768, 0.2879, 0.5039



53.7423, 0.3029, 0.3723



29.1459, 0.3772, 0.5015



11.6798, 0.3018, 0.3781



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



25.1768, 0.2879, 0.5039



43.9495, 0.2888, 0.5438



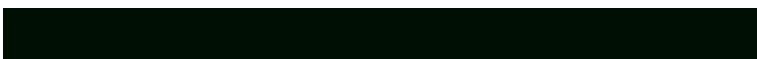
26.2385, 0.2518, 0.3878



7.4262, 0.3085, 0.3464



19.7049, 0.2913, 0.5688



0.3583, 0.2716, 0.4979

Inverse Universe

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



10.7294, 0.3649, 0.2071



16.3974, 0.3803, 0.1956



9.6343, 0.4817, 0.2870



6.7269, 0.3173, 0.3122



6.9052, 0.3922, 0.1934



0.1296, 0.3587, 0.1750

Previews

White Background



This preview shows how the Yxy color 25.1758, 0.2879, 0.5039 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 25.1758, 0.2879, 0.5039 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 25.1758, 0.2879, 0.5039

Background



This preview shows how black text looks on a background with the Yxy color 25.1758, 0.2879, 0.5039.



This preview shows how white text looks on a background with the Yxy color 25.1758, 0.2879, 0.5039.

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

25.1758, 0.2879, 0.5039

Protanopia

24.8640, 0.4030, 0.4415

Deuteranopia

24.6514, 0.4136, 0.4053



Tritanopia

25.1737, 0.2409, 0.3070

Trichromacy



Original Color

25.1758, 0.2879, 0.5039

Protanomaly

23.8869, 0.3498, 0.4680

Deuteranomaly

23.4296, 0.3555, 0.4443

Tritanomaly

24.7817, 0.2581, 0.3745

Monochromacy



Original Color

25.1758, 0.2879, 0.5039

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

18.9900, 0.2987, 0.3951

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.1758, 0.2879, 0.5039 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(46, 157, 73)` looks like.

```
.text, #text, p{  
    color:rgb(46, 157, 73)  
}
```

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(46, 157, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 157, 73) }
```

Border

The CSS property to change the border of an element to Yxy 25.1758, 0.2879, 0.5039 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(46, 157, 73) }
```

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

```
.border{ border-color:rgb(46, 157, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 157, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 157, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 157, 73);  
box-shadow:4px 4px 4px 4px rgb(46, 157,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 25.1758, 0.2879, 0.5039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 157, 73) }
```

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

```
.background{ background-color: rgb(46, 157,  
73) }
```

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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