

Converting Colors

$Y_{xy}(25.4982, 0.2969, 0.5050)$

Have a look what the booklet for
Yxy(25.4982, 0.2969, 0.5050)
contains.

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Color

Yxy(25.4859, 0.2971, 0.5059)

Conversions

Conversions Part 1

Format	Color
Hex	3B9D46
RGB	59, 157, 70
RGB Percent	23%, 62%, 27%
CMY	0.7685, 0.3843, 0.7255
CMYK	0.62, 0.00, 0.55, 0.38
HSL	127°, 45%, 42%
HSV	127°, 62%, 62%
XYZ	14.9671, 25.4859, 9.9243
YIQ	117.7800, -30.4810, -47.8330

Conversions

Conversions Part 2

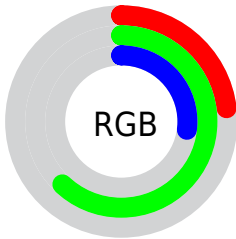
Format	Color
RYB	59, 147, 157
Decimal	3906886
CIELab	57.55, -47.00, 36.80
CIELCh	58, 59.694, 141.945
Yxy	25.4859, 0.2971, 0.5059
Android (android.graphics.Color)	4282096966 (0xFF3B9D46)
YUV	117.7800, -23.5555, -51.5501
Hunter-Lab	50.4836, -35.4255, 23.6829

Details

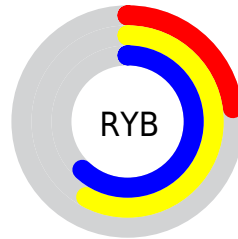
The Yxy color **25.4859, 0.2971, 0.5059** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **12.3749, 0.3357, 0.2011**, and the grayscale version is **18.1290, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.2494, 0.3040, 0.4626**, and **9.9511, 0.2927, 0.5738** is the 20% darker color. If you saturate the color by 10%, you get **24.9209, 0.2962, 0.5355**, and if you desaturate by 10%, it is **26.2382, 0.2988, 0.4741**.

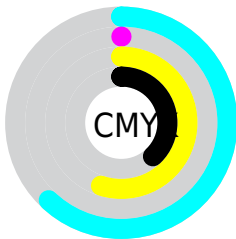
Distribution



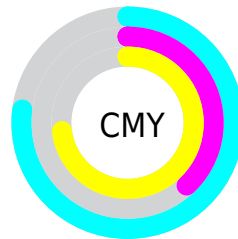
- Red (23%)
- Green (62%)
- Blue (27%)



- Red (23%)
- Yellow (58%)
- Blue (62%)



- Cyan (62%)
- Magenta (0%)
- Yellow (55%)
- Black (38%)





- Cyan (77%)
- Magenta (38%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.4859, 0.2971, 0.5059 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 25.4859, 0.2971, 0.5059 by changing the saturation by 10% instead.


 25.4859, 0.2971,
0.5059


 25.4859, 0.2971,
0.5059


280.2492, 0.3105,
0.4018

 16.4394, 0.2906,
0.5378

 52.4444, 0.3039,
0.4638


 9.8356, 0.2796,
0.5825


 71.1252, 0.3059,
0.4493

 5.2901, 0.2597,
0.6486

 93.7863, 0.3072,
0.4376

 2.4185, 0.2242,
0.7758

 120.8120, 0.3083,
0.4279

 0.8354, 0.0000,
1.0000

 152.5868, 0.3090,
0.4198

 0.0000, 0.0000,
0.0000

189.4950, 0.3097,

0.4129

231.9210, 0.3101,
0.4070

■ 25.4859, 0.2971,
0.5059

■ 25.4859, 0.2971,
0.5059

■ 24.9209, 0.2962,
0.5355

■ 26.2382, 0.2988,
0.4741

■ 24.5238, 0.2961,
0.5609

■ 27.1889, 0.3010,
0.4421

■ 24.2765, 0.2969,
0.5803

■ 28.3520, 0.3037,
0.4113

■ 24.1565, 0.2974,
0.5907

■ 29.7394, 0.3065,
0.3828

■ 31.3619, 0.3093,
0.3570

■ 33.2299, 0.3121,
0.3341

■ 35.3529, 0.3147,
0.3140

■ 37.7401, 0.3172,
0.2965

■ 40.4001, 0.3195,
0.2814

Harmonies

Analogous

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



25.4859, 0.3899, 0.5107



25.4859, 0.2971, 0.5059



25.4859, 0.2133, 0.4168

Triad

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



25.4859, 0.2971, 0.5059



25.4859, 0.1652, 0.1884



25.4859, 0.4891, 0.3175

Complementary

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



25.4859, 0.2971, 0.5059



12.3749, 0.3357, 0.2011

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.



25.4859, 0.4064, 0.2560



25.4859, 0.2971, 0.5059



25.4859, 0.2161, 0.1854

Square

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



25.4859, 0.2971, 0.5059



25.4859, 0.1472, 0.2242



25.4859, 0.3012, 0.2093



25.4859, 0.5096, 0.3857

Rectangle

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



25.4859, 0.2971, 0.5059



25.4859, 0.1746, 0.3384



25.4859, 0.3012, 0.2093



25.4859, 0.4671, 0.2959

Sweetspot

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



25.4870, 0.2971, 0.5059



54.0973, 0.3073, 0.3746



30.6520, 0.3874, 0.4766



11.7419, 0.3066, 0.3818



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.



25.4870, 0.2971, 0.5059



44.3086, 0.2960, 0.5464



26.3483, 0.2645, 0.4070



7.4125, 0.3102, 0.3494



19.6223, 0.2972, 0.5899



0.3539, 0.2855, 0.5477

Inverse Universe

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



12.3749, 0.3357, 0.2011



18.7870, 0.3417, 0.1832



11.1847, 0.4240, 0.2682



6.7418, 0.3154, 0.3094



7.3490, 0.3507, 0.1705



0.1347, 0.3373, 0.1632

Previews

White Background



This preview shows how the Yxy color 25.4859, 0.2971, 0.5059 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 25.4859, 0.2971, 0.5059 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 25.4859, 0.2971, 0.5059

Background



This preview shows how black text looks on a background with the Yxy color 25.4859, 0.2971, 0.5059.



This preview shows how white text looks on a background with the Yxy color 25.4859, 0.2971, 0.5059.

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

25.4859, 0.2971, 0.5059

Protanopia

24.9369, 0.4059, 0.4436

Deuteranopia

24.9839, 0.4171, 0.4104



Tritanopia

25.5220, 0.2472, 0.3090

Trichromacy



Original Color

25.4859, 0.2971, 0.5059



Protanomaly

24.1914, 0.3580, 0.4700



Deuteranomaly

23.8398, 0.3654, 0.4464



Tritanomaly

25.1214, 0.2651, 0.3759

Monochromacy



Original Color

25.4859, 0.2971, 0.5059



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

19.9835, 0.3053, 0.3929

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.4859, 0.2971, 0.5059 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(59, 157, 70)` looks like.

```
.text, #text, p{  
    color:rgb(59, 157, 70)  
}
```

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(59, 157, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 157, 70) }
```

Border

The CSS property to change the border of an element to Yxy 25.4859, 0.2971, 0.5059 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(59, 157, 70) }
```

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

```
.border{ border-color:rgb(59, 157, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 157, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 157, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 157, 70);  
box-shadow:4px 4px 4px 4px rgb(59, 157,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 25.4859, 0.2971, 0.5059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 157, 70) }
```

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

```
.background{ background-color: rgb(59, 157,  
70) }
```

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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