

Converting Colors

$Y_{xy}(25.3185, 0.2898, 0.5195)$

Have a look what the booklet for
Yxy(25.3185, 0.2898, 0.5195)
contains.

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Color

$\text{Yxy}(25.3185, 0.2898, 0.5195)$

Conversions

Conversions Part 1

Format	Color
Hex	299E42
RGB	41, 158, 66
RGB Percent	16%, 62%, 26%
CMY	0.8393, 0.3804, 0.7412
CMYK	0.74, 0.00, 0.58, 0.38
HSL	133°, 59%, 39%
HSV	133°, 74%, 62%
XYZ	14.1238, 25.3185, 9.2940
YIQ	112.5290, -40.2000, -53.4160

Conversions

Conversions Part 2

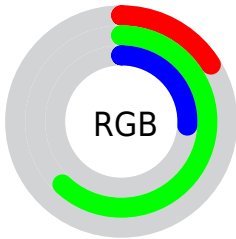
Format	Color
RYB	41, 137, 158
Decimal	2727490
CIELab	57.38, -51.48, 38.47
CIELCh	57, 64.262, 143.232
Yxy	25.3185, 0.2898, 0.5195
Android (android.graphics.Color)	4280917570 (0xFF299E42)
YUV	112.5290, -22.9388, -62.7309
Hunter-Lab	50.3175, -37.9519, 24.2709

Details

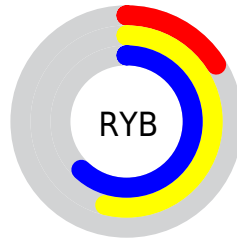
The Yxy color **25.3185, 0.2898, 0.5195** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **10.5480, 0.3616, 0.1994**, and the grayscale version is **16.4435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.3205, 0.2984, 0.4736**, and **10.1376, 0.2950, 0.5822** is the 20% darker color. If you saturate the color by 10%, you get **24.9265, 0.2904, 0.5447**, and if you desaturate by 10%, it is **25.8748, 0.2905, 0.4915**.

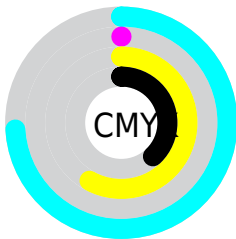
Distribution



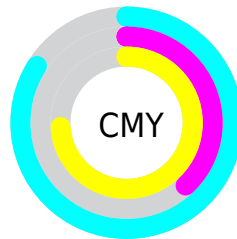
- Red (16%)
- Green (62%)
- Blue (26%)



- Red (16%)
- Yellow (54%)
- Blue (62%)



- Cyan (74%)
- Magenta (0%)
- Yellow (58%)
- Black (38%)





- Cyan (84%)
- Magenta (38%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.3185, 0.2898, 0.5195 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 25.3185, 0.2898, 0.5195 by changing the saturation by 10% instead.


 25.3185, 0.2898,
0.5195


 25.3185, 0.2898,
0.5195


279.4204, 0.3080,
0.4069


 16.3145, 0.2816,
0.5542


 52.1735, 0.2987,
0.4738

 9.7470, 0.2680,
0.6026


 70.7932, 0.3013,
0.4581

 5.2315, 0.2447,
0.6763

 93.3870, 0.3032,
0.4454

 2.3837, 0.1937,
0.8063

 120.3392, 0.3046,
0.4350

 0.8175, 0.0000,
1.0000

 152.0343, 0.3058,
0.4262

 0.0000, 0.0000,
0.0000

 188.8566, 0.3066,

0.4188

231.1905, 0.3074,
0.4124

■ 25.3185, 0.2898,
0.5195

■ 25.3185, 0.2898,
0.5195

■ 24.9265, 0.2904,
0.5447

■ 25.8748, 0.2905,
0.4915

■ 24.6769, 0.2922,
0.5656

■ 26.6081, 0.2924,
0.4624

■ 24.5694, 0.2933,
0.5759

■ 27.5334, 0.2952,
0.4335

■ 28.6631, 0.2987,
0.4060

■ 30.0088, 0.3027,
0.3804

■ 31.5810, 0.3068,
0.3573

■ 33.3895, 0.3110,
0.3367

■ 35.4437, 0.3151,
0.3185

■ 37.7524, 0.3191,
0.3026

Harmonies

Analogous

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



25.3185, 0.3884, 0.5250



25.3185, 0.2898, 0.5195



25.3185, 0.2024, 0.4187

Triad

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



25.3185, 0.2898, 0.5195



25.3185, 0.1581, 0.1789



25.3185, 0.5050, 0.3180

Complementary

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



25.3185, 0.2898, 0.5195



10.5480, 0.3616, 0.1994

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.



25.3185, 0.4181, 0.2534



25.3185, 0.2898, 0.5195



25.3185, 0.2126, 0.1775

Square

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



25.3185, 0.2898, 0.5195



25.3185, 0.1378, 0.2139



25.3185, 0.3044, 0.2037



25.3185, 0.5222, 0.3894

Rectangle

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



25.3185, 0.2898, 0.5195



25.3185, 0.1633, 0.3328



25.3185, 0.3044, 0.2037



25.3185, 0.4825, 0.2954

Sweetspot

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



25.3195, 0.2898, 0.5195



54.9296, 0.3034, 0.3765



29.7331, 0.3827, 0.5045



12.2320, 0.3023, 0.3826



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



25.3195, 0.2898, 0.5195



44.9345, 0.2915, 0.5592



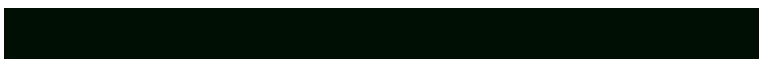
26.3539, 0.2533, 0.3994



7.4231, 0.3089, 0.3471



19.6813, 0.2930, 0.5747



0.3573, 0.2745, 0.5083

Inverse Universe

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



10.5480, 0.3616, 0.1994



16.6027, 0.3753, 0.1894



9.3775, 0.4852, 0.2809



6.7303, 0.3168, 0.3116



6.9982, 0.3821, 0.1879



0.1307, 0.3537, 0.1722

Previews

White Background



This preview shows how the Yxy color 25.3185, 0.2898, 0.5195 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 25.3185, 0.2898, 0.5195 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 25.3185, 0.2898, 0.5195

Background



This preview shows how black text looks on a background with the Yxy color 25.3185, 0.2898, 0.5195.



This preview shows how white text looks on a background with the Yxy color 25.3185, 0.2898, 0.5195.

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

25.3185, 0.2898, 0.5195

Protanopia

24.8930, 0.4093, 0.4486

Deuteranopia

24.6752, 0.4210, 0.4130



Tritanopia

25.1343, 0.2404, 0.3069

Trichromacy



Original Color

25.3185, 0.2898, 0.5195



Protanomaly

24.0433, 0.3536, 0.4810



Deuteranomaly

23.2760, 0.3597, 0.4550



Tritanomaly

24.9549, 0.2582, 0.3808

Monochromacy



Original Color

25.3185, 0.2898, 0.5195



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

18.5713, 0.2995, 0.4004

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.3185, 0.2898, 0.5195 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(41, 158, 66)` looks like.

```
.text, #text, p{  
    color:rgb(41, 158, 66)  
}
```

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(41, 158, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 158, 66) }
```

Border

The CSS property to change the border of an element to Yxy 25.3185, 0.2898, 0.5195 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(41, 158, 66) }
```

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

```
.border{ border-color:rgb(41, 158, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 158, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 158, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 158, 66);  
box-shadow:4px 4px 4px 4px rgb(41, 158,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 25.3185, 0.2898, 0.5195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 158, 66) }
```

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

```
.background{ background-color: rgb(41, 158,  
66) }
```

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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