

Converting Colors

$Yxy(25.9446, 0.2984, 0.4580)$

Have a look what the booklet for
Yxy(25.9446, 0.2984, 0.4580)
contains.

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Color

$\text{Yxy}(25.8863, 0.2985, 0.4578)$

Conversions

Conversions Part 1

Format	Color
Hex	509B5A
RGB	80, 155, 90
RGB Percent	31%, 61%, 35%
CMY	0.6860, 0.3922, 0.6470
CMYK	0.48, 0.00, 0.42, 0.39
HSL	128°, 32%, 46%
HSV	128°, 48%, 61%
XYZ	16.8787, 25.8863, 13.7800
YIQ	125.1650, -23.8350, -36.1150

Conversions

Conversions Part 2

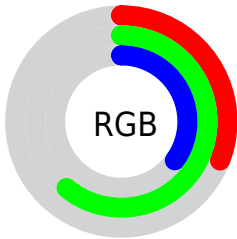
Format	Color
R_{YB}	80, 146, 155
Decimal	5282650
CIE _{Lab}	57.93, -37.62, 27.05
CIE _{LCh}	58, 46.334, 144.281
Yxy	25.8863, 0.2985, 0.4578
Android (android.graphics.Color)	4283472730 (0xFF509B5A)
YUV	125.1650, -17.3363, -39.6097
Hunter-Lab	50.8786, -29.8211, 19.5568

Details

The Yxy color **25.8863, 0.2985, 0.4578** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **14.7599, 0.3319, 0.2278**, and the grayscale version is **20.6373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.0846, 0.3034, 0.4273**, and **10.0455, 0.2867, 0.5128** is the 20% darker color. If you saturate the color by 10%, you get **25.0796, 0.2965, 0.4893**, and if you desaturate by 10%, it is **26.8923, 0.3011, 0.4269**.

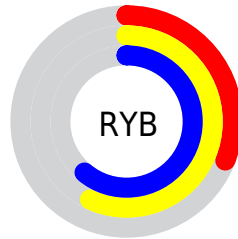
Distribution



Red (31%)

Green (61%)

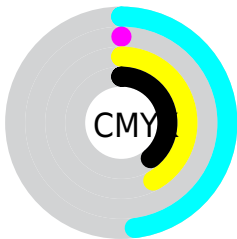
Blue (35%)



Red (31%)

Yellow (57%)

Blue (61%)

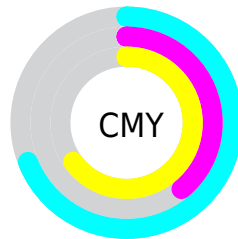


Cyan (48%)

Magenta (0%)

Yellow (42%)

Black (39%)



Cyan (69%)


Magenta (39%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.8863, 0.2985, 0.4578 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 25.8863, 0.2985, 0.4578 by changing the saturation by 10% instead.

 25.8863, 0.2985,
0.4578


 25.8863, 0.2985,
0.4578


282.2235, 0.3088,
0.3829


 16.7386, 0.2942,
0.4808


 53.0915, 0.3033,
0.4276

 10.0483, 0.2873,
0.5134


 71.9177, 0.3048,
0.4172


 5.4310, 0.2750,
0.5623

 94.7389, 0.3059,
0.4088

 2.5023, 0.2601,
0.6678

 121.9395, 0.3067,
0.4018

 0.8778, 0.0000,
1.0000

 153.9039, 0.3074,
0.3959

 0.0000, 0.0000,
0.0000

191.0164, 0.3080,

0.3909

233.6615, 0.3084,
0.3866

■ 25.8863, 0.2985,
0.4578

■ 25.8863, 0.2985,
0.4578

■ 25.0796, 0.2965,
0.4893

■ 26.8923, 0.3011,
0.4269

■ 24.4558, 0.2952,
0.5197

■ 28.1061, 0.3040,
0.3976

■ 24.0013, 0.2949,
0.5471

■ 29.5398, 0.3071,
0.3709

■ 23.6991, 0.2955,
0.5696

■ 31.2036, 0.3102,
0.3469

■ 23.5187, 0.2966,
0.5860

■ 33.1070, 0.3132,
0.3257

 23.4937, 0.2967,
0.5882

 35.2590, 0.3161,
0.3071

 37.6681, 0.3188,
0.2910

 40.3424, 0.3213,
0.2771

 43.2898, 0.3236,
0.2650

Harmonies

Analogous

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



25.8863, 0.3734, 0.4727



25.8863, 0.2985, 0.4578



25.8863, 0.2315, 0.3892

Triad

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



25.8863, 0.2985, 0.4578



25.8863, 0.1953, 0.2146



25.8863, 0.4526, 0.3278

Complementary

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



25.8863, 0.2985, 0.4578



14.7599, 0.3319, 0.2278

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.



25.8863, 0.3920, 0.2749



25.8863, 0.2985, 0.4578



25.8863, 0.2407, 0.2127

Square

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



25.8863, 0.2985, 0.4578



25.8863, 0.1779, 0.2443



25.8863, 0.3112, 0.2343



25.8863, 0.4677, 0.3854

Rectangle

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



25.8863, 0.2985, 0.4578



25.8863, 0.2001, 0.3321



25.8863, 0.3112, 0.2343



25.8863, 0.4366, 0.3093

Sweetspot

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



25.8874, 0.2985, 0.4578



53.7722, 0.3080, 0.3633



30.1554, 0.3724, 0.4479



12.0441, 0.3074, 0.3681



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.



25.8874, 0.2985, 0.4578



44.8188, 0.2963, 0.4918



26.6625, 0.2709, 0.3838



6.9383, 0.3099, 0.3489



18.8750, 0.2964, 0.5872



0.2852, 0.2825, 0.5372

Inverse Universe

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



14.7599, 0.3319, 0.2278



22.4584, 0.3372, 0.2087



13.8134, 0.3904, 0.2818



6.3095, 0.3156, 0.3099



6.9934, 0.3566, 0.1738



0.1080, 0.3387, 0.1640

Previews

White Background



This preview shows how the Yxy color 25.8863, 0.2985, 0.4578 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 25.8863, 0.2985, 0.4578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

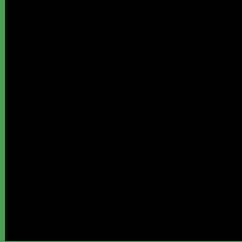
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.8863, 0.2985, 0.4578

Background



This preview shows how black text looks on a background with the Yxy color 25.8863, 0.2985, 0.4578.



This preview shows how white text looks on a background with the Yxy color 25.8863, 0.2985, 0.4578.

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

25.8863, 0.2985, 0.4578

Protanopia

25.3964, 0.3851, 0.4170

Deuteranopia

25.3281, 0.3943, 0.3866



Tritanopia

25.8035, 0.2553, 0.3077

Trichromacy



Original Color

25.8863, 0.2985, 0.4578

Protanomaly

24.9784, 0.3488, 0.4332

Deuteranomaly

24.6148, 0.3543, 0.4117

Tritanomaly

25.7076, 0.2712, 0.3589

Monochromacy



Original Color

25.8863, 0.2985, 0.4578

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

22.0294, 0.3073, 0.3753

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8863, 0.2985, 0.4578 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(80, 155, 90)` looks like.

```
.text, #text, p{  
    color:rgb(80, 155, 90)  
}
```

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(80, 155, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 155, 90) }
```

Border

The CSS property to change the border of an element to Yxy 25.8863, 0.2985, 0.4578 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(80, 155, 90) }
```

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

```
.border{ border-color:rgb(80, 155, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 155, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 155, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 155, 90);  
box-shadow:4px 4px 4px 4px rgb(80, 155,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8863, 0.2985, 0.4578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 155, 90) }
```

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

```
.background{ background-color: rgb(80, 155,  
90) }
```

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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