

Converting Colors

$Y_{xy}(25.6142, 0.3089, 0.5442)$

Have a look what the booklet for
Yxy(25.6142, 0.3089, 0.5442)
contains.

Yxy(25.5585, 0.3088, 0.5449)	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

$Y_{xy}(25.5585, 0.3088, 0.5449)$

Conversions

Conversions Part 1

Format	Color
Hex	3A9E2F
RGB	58, 158, 47
RGB Percent	23%, 62%, 18%
CMY	0.7726, 0.3804, 0.8156
CMYK	0.63, 0.00, 0.70, 0.38
HSL	114°, 54%, 40%
HSV	114°, 70%, 62%
XYZ	14.4842, 25.5585, 6.8622
YIQ	115.4460, -23.9690, -55.7210

Conversions

Conversions Part 2

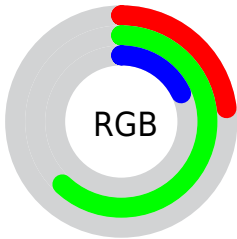
Format	Color
R _{YB}	47, 158, 147
Decimal	3841583
CIE Lab	57.62, -50.24, 47.33
CIE LCh	58, 69.025, 136.707
Yxy	25.5585, 0.3088, 0.5449
Android (android.graphics.Color)	4282031663 (0xFF3A9E2F)
YUV	115.4460, -33.7439, -50.3801
Hunter-Lab	50.5554, -37.3313, 27.3410

Details

The Yxy color **25.5585, 0.3088, 0.5449** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **10.7131, 0.3036, 0.1691**, and the grayscale version is **17.3967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.7759, 0.3154, 0.4949**, and **10.1032, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **25.0850, 0.3067, 0.5697**, and if you desaturate by 10%, it is **26.1984, 0.3105, 0.5146**.

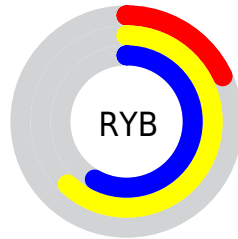
Distribution



Red (23%)

Green (62%)

Blue (18%)



Red (18%)

Yellow (62%)

Blue (58%)

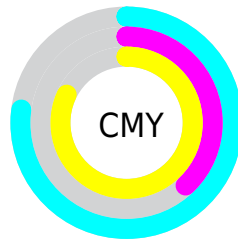


Cyan (63%)

Magenta (0%)

Yellow (70%)

Black (38%)



Cyan (77%)


Magenta (38%)


Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.5585, 0.3088, 0.5449 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 25.5585, 0.3088, 0.5449 by changing the saturation by 10% instead.


 25.5585, 0.3088,
0.5449


 25.5585, 0.3088,
0.5449


280.6080, 0.3187,
0.4186


 16.4936, 0.3015,
0.5821


 52.5618, 0.3154,
0.4945


 9.8741, 0.2880,
0.6321


 71.2691, 0.3169,
0.4769

 5.3156, 0.2714,
0.7259

 93.9593, 0.3178,
0.4626


 2.4336, 0.2049,
0.7951

 121.0168, 0.3183,
0.4507

 0.8431, 0.0000,
1.0000

 152.8261, 0.3186,
0.4407

 0.0000, 0.0000,
0.0000

 189.7714, 0.3187,

0.4322

232.2373, 0.3188,
0.4249

■ 25.5585, 0.3088,
0.5449

■ 25.5585, 0.3088,
0.5449

■ 25.0850, 0.3067,
0.5697

■ 26.1984, 0.3105,
0.5146

■ 24.7594, 0.3044,
0.5872

■ 27.0148, 0.3118,
0.4812

■ 24.5618, 0.3027,
0.5979

■ 28.0208, 0.3127,
0.4470

■ 29.2272, 0.3131,
0.4138

■ 30.6443, 0.3132,
0.3827

■ 32.2813, 0.3131,
0.3546

■ 34.1472, 0.3127,
0.3296

■ 36.2502, 0.3123,
0.3075

■ 38.5984, 0.3117,
0.2884

Harmonies

Analogous

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



25.5585, 0.4115, 0.5255



25.5585, 0.3088, 0.5449



25.5585, 0.2121, 0.4556

Triad

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



25.5585, 0.3088, 0.5449



25.5585, 0.1427, 0.1752



25.5585, 0.5035, 0.3002

Complementary

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



25.5585, 0.3088, 0.5449



10.7131, 0.3036, 0.1691

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.



25.5585, 0.3987, 0.2358



25.5585, 0.3088, 0.5449



25.5585, 0.1910, 0.1675

Square

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



25.5585, 0.3088, 0.5449



25.5585, 0.1288, 0.2199



25.5585, 0.2790, 0.1889



25.5585, 0.5377, 0.3728

Rectangle

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



25.5585, 0.3088, 0.5449



25.5585, 0.1655, 0.3613



25.5585, 0.2790, 0.1889



25.5585, 0.4743, 0.2775

Sweetspot

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



25.5596, 0.3088, 0.5449



55.3233, 0.3132, 0.3862



28.3137, 0.4159, 0.4704



12.3166, 0.3132, 0.3941



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.



25.5596, 0.3088, 0.5449



45.2001, 0.3055, 0.5801



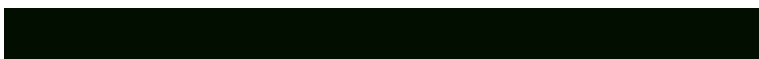
25.8230, 0.2768, 0.4669



7.4308, 0.3130, 0.3520



19.6789, 0.3029, 0.5977



0.3599, 0.3164, 0.5870

Inverse Universe

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



10.7131, 0.3036, 0.1691



16.4487, 0.3000, 0.1502



10.5113, 0.3984, 0.2309



6.7213, 0.3122, 0.3068



6.6222, 0.2967, 0.1408



0.1271, 0.3071, 0.1465

Previews

White Background



This preview shows how the Yxy color 25.5585, 0.3088, 0.5449 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 25.5585, 0.3088, 0.5449 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 25.5585, 0.3088, 0.5449

Background



This preview shows how black text looks on a background with the Yxy color 25.5585, 0.3088, 0.5449.



This preview shows how white text looks on a background with the Yxy color 25.5585, 0.3088, 0.5449.

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

25.5585, 0.3088, 0.5449

Protanopia

25.2141, 0.4236, 0.4678

Deuteranopia

25.1859, 0.4406, 0.4326



Tritanopia

25.5678, 0.2479, 0.3091

Trichromacy



Original Color

25.5585, 0.3088, 0.5449



Protanomaly

24.3546, 0.3737, 0.5004



Deuteranomaly

24.0526, 0.3843, 0.4771



Tritanomaly

25.2603, 0.2729, 0.3962

Monochromacy



Original Color

25.5585, 0.3088, 0.5449



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

19.3505, 0.3130, 0.4155

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.5585, 0.3088, 0.5449 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(58, 158, 47)` looks like.

```
.text, #text, p{  
    color:rgb(58, 158, 47)  
}
```

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(58, 158, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 158, 47) }
```

Border

The CSS property to change the border of an element to Yxy 25.5585, 0.3088, 0.5449 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(58, 158, 47) }
```

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

```
.border{ border-color:rgb(58, 158, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 158, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 158, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 158, 47);  
box-shadow:4px 4px 4px 4px rgb(58, 158,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 25.5585, 0.3088, 0.5449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 158, 47) }
```

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

```
.background{ background-color: rgb(58, 158,  
47) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor