

Converting Colors

$Y_{xy}(29.9506, 0.3073, 0.4852)$

Have a look what the booklet for
Yxy(29.9506, 0.3073, 0.4852)
contains.

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Color

Yxy(29.8129, 0.3076, 0.4851)

Conversions

Conversions Part 1

Format	Color
Hex	55A652
RGB	85, 166, 82
RGB Percent	33%, 65%, 32%
CMY	0.6667, 0.3490, 0.6784
CMYK	0.49, 0.00, 0.51, 0.35
HSL	118°, 34%, 49%
HSV	118°, 51%, 65%
XYZ	18.9042, 29.8129, 12.7401
YIQ	132.2050, -21.3120, -43.2960

Conversions

Conversions Part 2

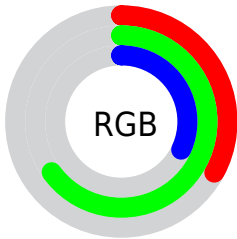
Format	Color
RYB	82, 166, 163
Decimal	5613138
CIELab	61.49, -42.16, 35.79
CIElCh	61, 55.298, 139.673
Yxy	29.8129, 0.3076, 0.4851
Android (android.graphics.Color)	4283803218 (0xFF55A652)
YUV	132.2050, -24.7511, -41.3988
Hunter-Lab	54.6012, -33.7511, 24.3867

Details

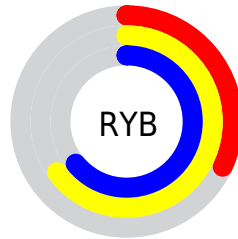
The Yxy color **29.8129, 0.3076, 0.4851** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **16.5766, 0.3144, 0.2084**, and the grayscale version is **23.2481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5115, 0.3114, 0.4502**, and **12.1267, 0.2972, 0.5477** is the 20% darker color. If you saturate the color by 10%, you get **28.9250, 0.3061, 0.5191**, and if you desaturate by 10%, it is **30.9340, 0.3090, 0.4501**.

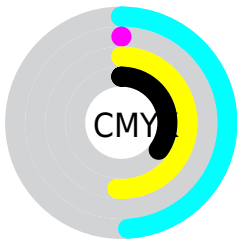
Distribution



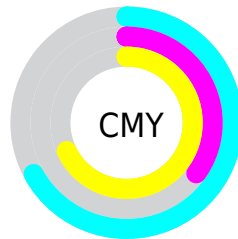
- Red (33%)
- Green (65%)
- Blue (32%)



- Red (32%)
- Yellow (65%)
- Blue (64%)



- Cyan (49%)
- Magenta (0%)
- Yellow (51%)
- Black (35%)




- Cyan (67%)
- Magenta (35%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8129, 0.3076, 0.4851 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 29.8129, 0.3076, 0.4851 by changing the saturation by 10% instead.


 29.8129, 0.3076,
0.4851


 29.8129, 0.3076,
0.4851


301.0314, 0.3142,
0.3959

 19.6966, 0.3038,
0.5113


 59.3662, 0.3113,
0.4498

 12.1747, 0.2973,
0.5473


 79.5719, 0.3123,
0.4375


 6.8628, 0.2849,
0.5987


 103.9097, 0.3130,
0.4273

 3.3764, 0.2722,
0.7092

 132.7637, 0.3134,
0.4189

 1.3313, 0.1192,
0.8808

 166.5185, 0.3137,
0.4118

 0.1652, 0.0000,
1.0000

205.5585, 0.3139,

 0.0000, 0.0000,

0.4058

0.0000

250.2680, 0.3141,
0.4005

■ 29.8129, 0.3076,
0.4851

■ 29.8129, 0.3076,
0.4851

■ 28.9250, 0.3061,
0.5191

■ 30.9340, 0.3090,
0.4501

■ 28.2504, 0.3045,
0.5495

■ 32.2991, 0.3102,
0.4161

■ 27.7722, 0.3029,
0.5738

■ 33.9228, 0.3112,
0.3844

■ 27.4695, 0.3016,
0.5902

■ 35.8174, 0.3120,
0.3558

■ 27.3125, 0.3009,
0.5993

■ 37.9945, 0.3127,
0.3304

■ 40.4650, 0.3132,
0.3083

■ 43.2393, 0.3136,
0.2891

■ 46.3272, 0.3138,
0.2726

■ 49.7381, 0.3140,
0.2584

Harmonies

Analogous

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



29.8129, 0.3908, 0.4883



29.8129, 0.3076, 0.4851



29.8129, 0.2303, 0.4130

Triad

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



29.8129, 0.3076, 0.4851



29.8129, 0.1771, 0.2040



29.8129, 0.4642, 0.3163

Complementary

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



29.8129, 0.3076, 0.4851



16.5766, 0.3144, 0.2084

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.



29.8129, 0.3888, 0.2601



29.8129, 0.3076, 0.4851



29.8129, 0.2219, 0.1984

Square

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



29.8129, 0.3076, 0.4851



29.8129, 0.1628, 0.2406



29.8129, 0.2967, 0.2185



29.8129, 0.4888, 0.3789

Rectangle

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



29.8129, 0.3076, 0.4851



29.8129, 0.1928, 0.3461



29.8129, 0.2967, 0.2185



29.8129, 0.4435, 0.2965

Sweetspot

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



29.8142, 0.3076, 0.4851



63.3308, 0.3117, 0.3688



34.4889, 0.3880, 0.4440



14.0178, 0.3115, 0.3746



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



29.8142, 0.3076, 0.4851



52.2806, 0.3058, 0.5240



30.4195, 0.2792, 0.4144



8.4200, 0.3121, 0.3523



21.1824, 0.3010, 0.5992



0.5192, 0.3055, 0.5956

Inverse Universe

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



16.5766, 0.3144, 0.2084



25.4253, 0.3143, 0.1864



15.7059, 0.3733, 0.2588



7.6528, 0.3132, 0.3067



7.9430, 0.3122, 0.1494



0.1973, 0.3153, 0.1510

Previews

White Background



This preview shows how the Yxy color 29.8129, 0.3076, 0.4851 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 29.8129, 0.3076, 0.4851 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 29.8129, 0.3076, 0.4851

Background



This preview shows how black text looks on a background with the Yxy color 29.8129, 0.3076, 0.4851.



This preview shows how white text looks on a background with the Yxy color 29.8129, 0.3076, 0.4851.

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

29.8129, 0.3076, 0.4851

Protanopia

29.4881, 0.3994, 0.4363

Deuteranopia

29.3380, 0.4119, 0.4045



Tritanopia

29.5251, 0.2564, 0.3072

Trichromacy



Original Color

29.8129, 0.3076, 0.4851

Protanomaly

29.1436, 0.3616, 0.4565

Deuteranomaly

28.5043, 0.3688, 0.4332

Tritanomaly

29.4346, 0.2755, 0.3701

Monochromacy



Original Color

29.8129, 0.3076, 0.4851

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

24.8063, 0.3112, 0.3844

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8129, 0.3076, 0.4851 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(85, 166, 82)` looks like.

```
.text, #text, p{  
    color:rgb(85, 166, 82)  
}
```

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(85, 166, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 166, 82) }
```

Border

The CSS property to change the border of an element to Yxy 29.8129, 0.3076, 0.4851 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(85, 166, 82) }
```

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

```
.border{ border-color:rgb(85, 166, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 166, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 166, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 166, 82);  
box-shadow:4px 4px 4px 4px rgb(85, 166,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8129, 0.3076, 0.4851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 166, 82) }
```

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

```
.background{ background-color: rgb(85, 166,  
82) }
```

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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