

Converting Colors

$Y_{xy}(29.7279, 0.3197, 0.5064)$

Have a look what the booklet for
Yxy(29.7279, 0.3197, 0.5064)
contains.

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Color

Yxy(29.8136, 0.3195, 0.5066)

Conversions

Conversions Part 1

Format	Color
Hex	59A644
RGB	89, 166, 68
RGB Percent	35%, 65%, 27%
CMY	0.6508, 0.3490, 0.7333
CMYK	0.46, 0.00, 0.59, 0.35
HSL	107°, 42%, 46%
HSV	107°, 59%, 65%
XYZ	18.8027, 29.8136, 10.2341
YIQ	131.8050, -14.4340, -46.8020

Conversions

Conversions Part 2

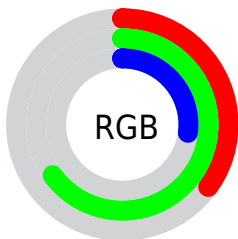
Format	Color
RYB	68, 166, 145
Decimal	5875268
CIELab	61.49, -42.68, 42.67
CIELCh	61, 60.358, 135.006
Yxy	29.8136, 0.3195, 0.5066
Android (android.graphics.Color)	4284065348 (0xFF59A644)
YUV	131.8050, -31.4559, -37.5400
Hunter-Lab	54.6018, -34.0849, 27.1085

Details

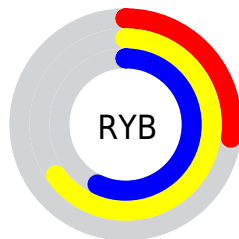
The Yxy color **29.8136, 0.3195, 0.5066** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **12.9057, 0.2904, 0.1818**, and the grayscale version is **23.1243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5038, 0.3219, 0.4677**, and **12.1208, 0.3094, 0.5746** is the 20% darker color. If you saturate the color by 10%, you get **29.0508, 0.3180, 0.5365**, and if you desaturate by 10%, it is **30.7506, 0.3199, 0.4741**.

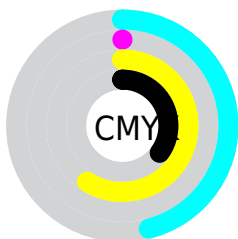
Distribution



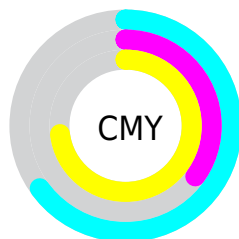
- Red (35%)
- Green (65%)
- Blue (27%)



- Red (27%)
- Yellow (65%)
- Blue (57%)



- Cyan (46%)
- Magenta (0%)
- Yellow (59%)
- Black (35%)





- Cyan (65%)
- Magenta (35%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8136, 0.3195, 0.5066 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 29.8136, 0.3195, 0.5066 by changing the saturation by 10% instead.


 29.8136, 0.3195,
0.5066


 29.8136, 0.3195,
0.5066


301.0346, 0.3211,
0.4056


 19.6971, 0.3163,
0.5356


 59.3673, 0.3219,
0.4670


 12.1751, 0.3098,
0.5747


 79.5733, 0.3221,
0.4529

 6.8630, 0.2965,
0.6291


 103.9113, 0.3222,
0.4414

 3.3766, 0.2747,
0.7253

 132.7656, 0.3221,
0.4319

 1.3314, 0.1117,
0.8883

 166.5207, 0.3219,
0.4238

 0.1653, 0.0000,
1.0000

205.5610, 0.3216,

 0.0000, 0.0000,

0.4168

0.0000

250.2709, 0.3214,
0.4108

■ 29.8136, 0.3195,
0.5066

■ 29.8136, 0.3195,
0.5066

■ 29.0508, 0.3180,
0.5365

■ 30.7506, 0.3199,
0.4741

■ 28.4474, 0.3155,
0.5616

■ 31.8679, 0.3195,
0.4411

■ 27.9921, 0.3122,
0.5802

■ 33.1761, 0.3183,
0.4090

■ 27.6663, 0.3084,
0.5925

■ 34.6836, 0.3166,
0.3789

■ 27.6398, 0.3082,
0.5935

■ 36.3985, 0.3147,
0.3514

■ 38.3284, 0.3125,
0.3267

■ 40.4805, 0.3103,
0.3049

■ 42.8616, 0.3081,
0.2856

■ 45.4782, 0.3059,
0.2687

Harmonies

Analogous

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



29.8136, 0.4079, 0.4955



29.8136, 0.3195, 0.5066



29.8136, 0.2340, 0.4377

Triad

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



29.8136, 0.3195, 0.5066



29.8136, 0.1630, 0.1980



29.8136, 0.4681, 0.3040

Complementary

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



29.8136, 0.3195, 0.5066



12.9057, 0.2904, 0.1818

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.



29.8136, 0.3796, 0.2465



29.8136, 0.3195, 0.5066



29.8136, 0.2051, 0.1881

Square

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



29.8136, 0.3195, 0.5066



29.8136, 0.1526, 0.2420



29.8136, 0.2803, 0.2056



29.8136, 0.5037, 0.3695

Rectangle

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



29.8136, 0.3195, 0.5066



29.8136, 0.1908, 0.3641



29.8136, 0.2803, 0.2056



29.8136, 0.4428, 0.2835

Sweetspot

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



29.8149, 0.3195, 0.5066



63.1533, 0.3165, 0.3769



28.7039, 0.4122, 0.4405



13.9499, 0.3170, 0.3851



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.



29.8149, 0.3195, 0.5066



52.3349, 0.3173, 0.5453



29.3412, 0.2868, 0.4644



8.4825, 0.3147, 0.3521



21.4514, 0.3086, 0.5931



0.5428, 0.3309, 0.5755

Inverse Universe

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



12.9057, 0.2904, 0.1818



18.6919, 0.2831, 0.1558



14.0843, 0.3604, 0.2266



7.5842, 0.3105, 0.3065



5.8587, 0.2680, 0.1250



0.1623, 0.2866, 0.1352

Previews

White Background



This preview shows how the Yxy color 29.8136, 0.3195, 0.5066 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 29.8136, 0.3195, 0.5066 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 29.8136, 0.3195, 0.5066

Background



This preview shows how black text looks on a background with the Yxy color 29.8136, 0.3195, 0.5066.



This preview shows how white text looks on a background with the Yxy color 29.8136, 0.3195, 0.5066.

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

29.8136, 0.3195, 0.5066

Protanopia

29.4312, 0.4110, 0.4514

Deuteranopia

29.3815, 0.4265, 0.4198



Tritanopia

29.7922, 0.2608, 0.3090

Trichromacy



Original Color

29.8136, 0.3195, 0.5066



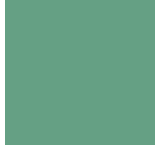
Protanomaly

29.1427, 0.3736, 0.4735



Deuteranomaly

28.5765, 0.3841, 0.4519



Tritanomaly

29.5743, 0.2832, 0.3789

Monochromacy



Original Color

29.8136, 0.3195, 0.5066



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

24.7636, 0.3170, 0.3937

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8136, 0.3195, 0.5066 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(89, 166, 68)` looks like.

```
.text, #text, p{  
    color:rgb(89, 166, 68)  
}
```

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(89, 166, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 166, 68) }
```

Border

The CSS property to change the border of an element to Yxy 29.8136, 0.3195, 0.5066 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(89, 166, 68) }
```

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

```
.border{ border-color:rgb(89, 166, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 166, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 166, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 166, 68);  
box-shadow:4px 4px 4px 4px rgb(89, 166,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8136, 0.3195, 0.5066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 166, 68) }
```

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

```
.background{ background-color: rgb(89, 166,  
68) }
```

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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