

Converting Colors

$Y_{xy}(29.8129, 0.3382, 0.5407)$

Have a look what the booklet for
Yxy(29.8129, 0.3382, 0.5407)
contains.

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Color

Yxy(29.7986, 0.3379, 0.5407)

Conversions

Conversions Part 1

Format	Color
Hex	5EA627
RGB	94, 166, 39
RGB Percent	37%, 65%, 15%
CMY	0.6312, 0.3490, 0.8470
CMYK	0.43, 0.00, 0.76, 0.35
HSL	94°, 62%, 40%
HSV	94°, 76%, 65%
XYZ	18.6221, 29.7986, 6.6905
YIQ	129.9940, -2.1450, -54.7610

Conversions

Conversions Part 2

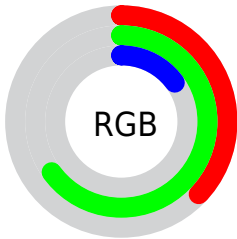
Format	Color
RYB	39, 166, 111
Decimal	6202919
CIELab	61.48, -43.56, 54.66
CIELCh	61, 69.900, 128.552
Yxy	29.7986, 0.3379, 0.5407
Android (android.graphics.Color)	4284392999 (0xFF5EA627)
YUV	129.9940, -44.8600, -31.5667
Hunter-Lab	54.5881, -34.6361, 30.9449

Details

The Yxy color **29.7986, 0.3379, 0.5407** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **7.5824, 0.2419, 0.1295**, and the grayscale version is **22.4880, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5347, 0.3388, 0.4953**, and **12.1676, 0.3177, 0.5859** is the 20% darker color. If you saturate the color by 10%, you get **29.2452, 0.3349, 0.5598**, and if you desaturate by 10%, it is **30.4633, 0.3389, 0.5166**.

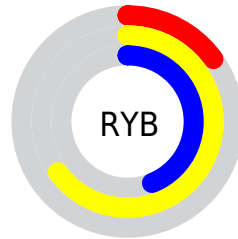
Distribution



Red (37%)

Green (65%)

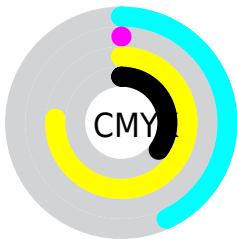
Blue (15%)



Red (15%)

Yellow (65%)

Blue (44%)

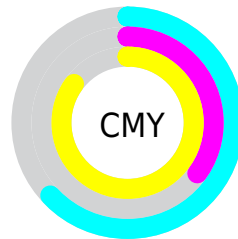


Cyan (43%)

Magenta (0%)

Yellow (76%)

Black (35%)



Cyan (63%)


Magenta (35%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7986, 0.3379, 0.5407 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 29.7986, 0.3379, 0.5407 by changing the saturation by 10% instead.

 29.7986, 0.3379,
0.5407

 29.7986, 0.3379,
0.5407


300.9646, 0.3329,
0.4222


 19.6858, 0.3345,
0.5726


 59.3435, 0.3390,
0.4953


 12.1668, 0.3264,
0.6134


 79.5444, 0.3384,
0.4789

 6.8574, 0.3167,
0.6833


 103.8768, 0.3376,
0.4652

 3.3731, 0.2702,
0.7298

 132.7250, 0.3367,
0.4538

 1.3295, 0.0980,
0.9020

 166.4735, 0.3357,
0.4441

 0.1639, 0.0000,
1.0000

 205.5067, 0.3347,

 0.0000, 0.0000,

0.4358

0.0000

250.2089, 0.3338,
0.4285

■ 29.7986, 0.3379,
0.5407

■ 29.7986, 0.3379,
0.5407

■ 29.2452, 0.3349,
0.5598

■ 30.4633, 0.3389,
0.5166

■ 28.7893, 0.3303,
0.5732

■ 31.2431, 0.3381,
0.4889

■ 28.6466, 0.3286,
0.5773

■ 32.1462, 0.3355,
0.4591

■ 33.1785, 0.3318,
0.4288

■ 34.3459, 0.3271,
0.3991

■ 35.6537, 0.3218,
0.3709

■ 37.1068, 0.3163,
0.3448

■ 38.7099, 0.3108,
0.3209

■ 40.4676, 0.3053,
0.2993

Harmonies

Analogous

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



29.7986, 0.4351, 0.5033



29.7986, 0.3379, 0.5407



29.7986, 0.2395, 0.4826

Triad

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



29.7986, 0.3379, 0.5407



29.7986, 0.1405, 0.1877



29.7986, 0.4741, 0.2837

Complementary

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



29.7986, 0.3379, 0.5407



7.5824, 0.2419, 0.1295

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.



29.7986, 0.3633, 0.2241



29.7986, 0.3379, 0.5407



29.7986, 0.1782, 0.1710

Square

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



29.7986, 0.3379, 0.5407



29.7986, 0.1358, 0.2442



29.7986, 0.2533, 0.1845



29.7986, 0.5291, 0.3532

Rectangle

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



29.7986, 0.3379, 0.5407



29.7986, 0.1868, 0.3974



29.7986, 0.2533, 0.1845



29.7986, 0.4407, 0.2622

Sweetspot

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



29.7999, 0.3379, 0.5407



63.0384, 0.3255, 0.3903



19.1595, 0.4768, 0.4240



13.9286, 0.3273, 0.4004



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.



29.7999, 0.3379, 0.5407



52.4671, 0.3317, 0.5699



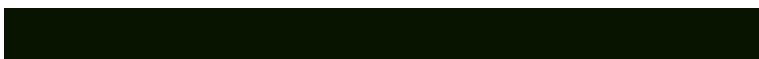
27.8952, 0.2993, 0.5583



8.5608, 0.3179, 0.3519



22.2416, 0.3292, 0.5768



0.5716, 0.3571, 0.5547

Inverse Universe

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



7.5824, 0.2419, 0.1295



10.1804, 0.2231, 0.1034



12.0844, 0.3296, 0.1749



7.5023, 0.3071, 0.3063



4.0108, 0.2175, 0.0972



0.1270, 0.2520, 0.1162

Previews

White Background



This preview shows how the Yxy color 29.7986, 0.3379, 0.5407 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 29.7986, 0.3379, 0.5407 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 29.7986, 0.3379, 0.5407

Background



This preview shows how black text looks on a background with the Yxy color 29.7986, 0.3379, 0.5407.



This preview shows how white text looks on a background with the Yxy color 29.7986, 0.3379, 0.5407.

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

29.7986, 0.3379, 0.5407

Protanopia

29.4023, 0.4305, 0.4758

Deuteranopia

29.3007, 0.4515, 0.4416



Tritanopia

29.7434, 0.2651, 0.3092

Trichromacy



Original Color

29.7986, 0.3379, 0.5407

Protanomaly

29.1455, 0.3934, 0.5017

Deuteranomaly

28.3675, 0.4076, 0.4780

Tritanomaly

29.2165, 0.2968, 0.3991

Monochromacy



Original Color

29.7986, 0.3379, 0.5407

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

24.2899, 0.3297, 0.4146

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7986, 0.3379, 0.5407 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(94, 166, 39)` looks like.

```
.text, #text, p{  
    color:rgb(94, 166, 39)  
}
```

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(94, 166, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 166, 39) }
```

Border

The CSS property to change the border of an element to Yxy 29.7986, 0.3379, 0.5407 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(94, 166, 39) }
```

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

```
.border{ border-color:rgb(94, 166, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 166, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 166, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 166, 39);  
box-shadow:4px 4px 4px 4px rgb(94, 166,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7986, 0.3379, 0.5407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 166, 39) }
```

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

```
.background{ background-color: rgb(94, 166,  
39) }
```

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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