

Converting Colors

$Y_{xy}(27.9912, 0.3095, 0.5799)$

Have a look what the booklet for
Yxy(27.9912, 0.3095, 0.5799)
contains.

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Color

Yxy(27.9074, 0.3096, 0.5800)

Conversions

Conversions Part 1

Format	Color
Hex	2EA615
RGB	46, 166, 21
RGB Percent	18%, 65%, 8%
CMY	0.8198, 0.3490, 0.9175
CMYK	0.72, 0.00, 0.87, 0.35
HSL	110°, 78%, 37%
HSV	110°, 87%, 65%
XYZ	14.8968, 27.9074, 5.3120
YIQ	113.5900, -24.9750, -70.5350

Conversions

Conversions Part 2

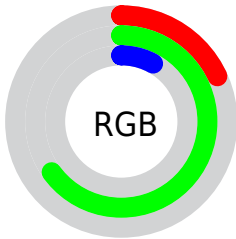
Format	Color
R_{YB}	21, 166, 141
Decimal	3057173
CIE _{Lab}	59.80, -57.17, 57.62
CIE _{LCh}	60, 81.165, 134.774
Yxy	27.9074, 0.3096, 0.5800
Android (android.graphics.Color)	4281247253 (0xFF2EA615)
YUV	113.5900, -45.6469, -59.2764
Hunter-Lab	52.8275, -42.1130, 31.0174

Details

The Yxy color **27.9074, 0.3096, 0.5800** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **8.9611, 0.2838, 0.1401**, and the grayscale version is **16.8402, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.2161, 0.3186, 0.5243**, and **11.8103, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **27.5947, 0.3063, 0.5927**, and if you desaturate by 10%, it is **28.3635, 0.3126, 0.5602**.

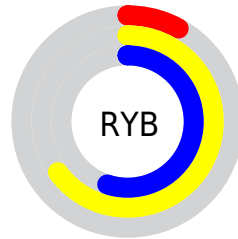
Distribution



Red (18%)

Green (65%)

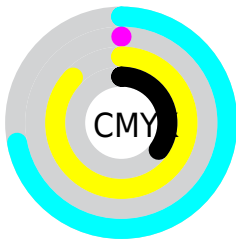
Blue (8%)



Red (8%)

Yellow (65%)

Blue (55%)

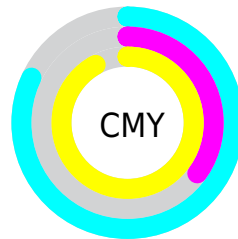


Cyan (72%)

Magenta (0%)

Yellow (87%)

Black (35%)



Cyan (82%)


Magenta (35%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9074, 0.3096, 0.5800 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 27.9074, 0.3096, 0.5800 by changing the saturation by 10% instead.


 27.9074, 0.3096,
0.5800


 27.9074, 0.3096,
0.5800


292.0242, 0.3226,
0.4358


 18.2559, 0.2998,
0.6197


 56.3366, 0.3185,
0.5240


 11.1338, 0.2826,
0.6710


 75.8830, 0.3205,
0.5039

 6.1569, 0.2542,
0.7458

 99.4965, 0.3216,
0.4873

 2.9407, 0.1897,
0.8103

 127.5615, 0.3222,
0.4736

 1.1009, 0.0000,
1.0000

 160.4624, 0.3226,
0.4619

 0.0000, 0.0000,
0.0000

 198.5835, 0.3227,

0.4520

242.3093, 0.3227,
0.4433

■ 27.9074, 0.3096,
0.5800

■ 27.9074, 0.3096,
0.5800

■ 27.5947, 0.3063,
0.5927

■ 28.3635, 0.3126,
0.5602

■ 27.5291, 0.3057,
0.5955

■ 28.9770, 0.3149,
0.5339

■ 29.7629, 0.3163,
0.5030

■ 30.7330, 0.3170,
0.4698

■ 31.8983, 0.3169,
0.4363

■ 33.2690, 0.3162,
0.4041

■ 34.8542, 0.3152,
0.3742

■ 36.6629, 0.3138,
0.3470

■ 38.7032, 0.3123,
0.3228

Harmonies

Analogous

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



27.9074, 0.4221, 0.5404



27.9074, 0.3096, 0.5800



27.9074, 0.2032, 0.4864

Triad

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



27.9074, 0.3096, 0.5800



27.9074, 0.1246, 0.1605



27.9074, 0.5237, 0.2888

Complementary

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



27.9074, 0.3096, 0.5800



8.9611, 0.2838, 0.1401

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.



27.9074, 0.4003, 0.2210



27.9074, 0.3096, 0.5800



27.9074, 0.1730, 0.1514

Square

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



27.9074, 0.3096, 0.5800



27.9074, 0.1115, 0.2099



27.9074, 0.2659, 0.1725



27.9074, 0.5644, 0.3648

Rectangle

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



27.9074, 0.3096, 0.5800



27.9074, 0.1516, 0.3743



27.9074, 0.2659, 0.1725



27.9074, 0.4890, 0.2650

Sweetspot

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



27.9086, 0.3096, 0.5800



60.6040, 0.3162, 0.4015



26.7511, 0.4456, 0.4738



13.3651, 0.3164, 0.4119



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.



27.9086, 0.3096, 0.5800



49.8950, 0.3049, 0.5961



27.8389, 0.2839, 0.5284



8.4674, 0.3141, 0.3521



21.3605, 0.3061, 0.5952



0.5372, 0.3252, 0.5800

Inverse Universe

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



8.9611, 0.2838, 0.1401



14.6393, 0.2773, 0.1301



10.0035, 0.4031, 0.2080



7.6004, 0.3111, 0.3066



6.3075, 0.2785, 0.1308



0.1701, 0.2934, 0.1390

Previews

White Background



This preview shows how the Yxy color 27.9074, 0.3096, 0.5800 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 27.9074, 0.3096, 0.5800 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 27.9074, 0.3096, 0.5800

Background



This preview shows how black text looks on a background with the Yxy color 27.9074, 0.3096, 0.5800.



This preview shows how white text looks on a background with the Yxy color 27.9074, 0.3096, 0.5800.

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

27.9074, 0.3096, 0.5800

Protanopia

27.2510, 0.4377, 0.4850

Deuteranopia

27.3452, 0.4558, 0.4487



Tritanopia

27.6506, 0.2427, 0.3062

Trichromacy



Original Color

27.9074, 0.3096, 0.5800



Protanomaly

26.0926, 0.3799, 0.5282



Deuteranomaly

25.8025, 0.3917, 0.5036



Tritanomaly

26.8976, 0.2727, 0.4156

Monochromacy



Original Color

27.9074, 0.3096, 0.5800



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

19.4781, 0.3168, 0.4422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9074, 0.3096, 0.5800 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(46, 166, 21)` looks like.

```
.text, #text, p{  
    color:rgb(46, 166, 21)  
}
```

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(46, 166, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 166, 21) }
```

Border

The CSS property to change the border of an element to Yxy 27.9074, 0.3096, 0.5800 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(46, 166, 21) }
```

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

```
.border{ border-color:rgb(46, 166, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 166, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 166, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 166, 21);  
box-shadow:4px 4px 4px 4px rgb(46, 166,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9074, 0.3096, 0.5800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 166, 21) }
```

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

```
.background{ background-color: rgb(46, 166,  
21) }
```

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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