

Converting Colors

$Y_{xy}(27.3374, 0.3035, 0.5972)$

Have a look what the booklet for
Yxy(27.3374, 0.3035, 0.5972)
contains.

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Color

Yxy(27.4319, 0.3036, 0.5972)

Conversions

Conversions Part 1

Format	Color
Hex	15A600
RGB	21, 166, 0
RGB Percent	8%, 65%, 0%
CMY	0.9175, 0.3490, 1.0000
CMYK	0.87, 0.00, 1.00, 0.35
HSL	112°, 100%, 33%
HSV	112°, 100%, 65%
XYZ	13.9456, 27.4319, 4.5567
YIQ	103.7210, -33.1340, -82.3660

Conversions

Conversions Part 2

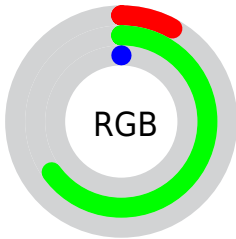
Format	Color
RYB	0, 166, 145
Decimal	1418752
CIELab	59.37, -61.16, 60.51
CIELCh	59, 86.040, 135.306
Yxy	27.4319, 0.3036, 0.5972
Android (android.graphics.Color)	4279608832 (0xFF15A600)
YUV	103.7210, -51.1345, -72.5463
Hunter-Lab	52.3755, -44.1292, 31.5046

Details

The Yxy color **27.4319, 0.3036, 0.5972** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **8.7697, 0.2894, 0.1368**, and the grayscale version is **13.9146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3762, 0.3149, 0.5370**, and **11.5883, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **27.4333, 0.3036, 0.5972**, and if you desaturate by 10%, it is **27.6794, 0.3059, 0.5862**.

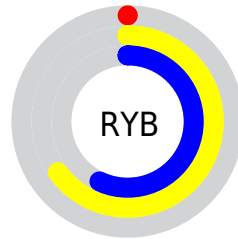
Distribution



Red (8%)

Green (65%)

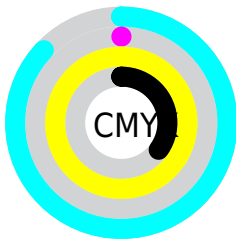
Blue (0%)



Red (0%)

Yellow (65%)

Blue (57%)

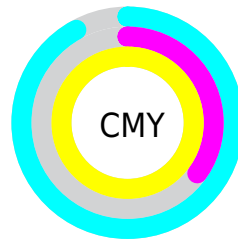


Cyan (87%)

Magenta (0%)

Yellow (100%)

Black (35%)



Cyan (92%)


Magenta (35%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.4319, 0.3036, 0.5972 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 27.4319, 0.3036, 0.5972 by changing the saturation by 10% instead.

 27.4319, 0.3036,
0.5972


 27.4319, 0.3036,
0.5972


289.7423, 0.3215,
0.4428


 17.8979, 0.2916,
0.6393


 55.5762, 0.3150,
0.5373


 10.8767, 0.2718,
0.6952


 74.9552, 0.3177,
0.5158

 5.9840, 0.2358,
0.7642

 98.3846, 0.3193,
0.4980

 2.8353, 0.1613,
0.8387

 126.2489, 0.3203,
0.4832

 1.0464, 0.0000,
1.0000


 158.9324, 0.3210,
0.4707


 0.0000, 0.0000,
0.0000


 196.8195, 0.3213,


0.4600


 240.2947, 0.3215,
0.4508


 27.4319, 0.3036,
0.5972


 27.4319, 0.3036,
0.5972

 27.4333, 0.3036,
0.5972

 27.6794, 0.3059,
0.5862

 28.0632, 0.3086,
0.5685

 28.6097, 0.3108,
0.5437

 29.3348, 0.3126,
0.5135

 30.2524, 0.3137,
0.4802

■ 31.3750, 0.3143,
0.4461

■ 32.7142, 0.3144,
0.4131

■ 34.2806, 0.3141,
0.3821

■ 36.0841, 0.3135,
0.3541

Harmonies

Analogous

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



27.4319, 0.4211, 0.5506



27.4319, 0.3036, 0.5972



27.4319, 0.1938, 0.4955

Triad

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



27.4319, 0.3036, 0.5972



27.4319, 0.1173, 0.1520



27.4319, 0.5385, 0.2863

Complementary

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



27.4319, 0.3036, 0.5972



8.7697, 0.2894, 0.1368

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.



27.4319, 0.4079, 0.2165



27.4319, 0.3036, 0.5972



27.4319, 0.1674, 0.1438

Square

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



27.4319, 0.3036, 0.5972



27.4319, 0.1029, 0.2010



27.4319, 0.2648, 0.1660



27.4319, 0.5774, 0.3639

Rectangle

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



27.4319, 0.3036, 0.5972



27.4319, 0.1415, 0.3730



27.4319, 0.2648, 0.1660



27.4319, 0.5023, 0.2619

Sweetspot

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



27.4333, 0.3036, 0.5972



59.2250, 0.3144, 0.4148



28.0141, 0.4447, 0.4851



13.0240, 0.3144, 0.4281



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.



27.4333, 0.3036, 0.5972



49.7364, 0.3030, 0.5976



27.6089, 0.2836, 0.5409



8.4516, 0.3134, 0.3522



21.2843, 0.3039, 0.5969



0.5312, 0.3189, 0.5850

Inverse Universe

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



8.7697, 0.2894, 0.1368



15.8513, 0.2888, 0.1365



9.1300, 0.4394, 0.2194



7.6177, 0.3118, 0.3066



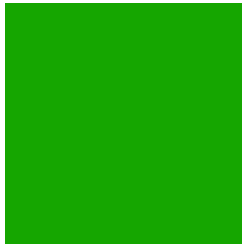
6.8143, 0.2897, 0.1369



0.1788, 0.3007, 0.1430

Previews

White Background



This preview shows how the Yxy color 27.4319, 0.3036, 0.5972 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 27.4319, 0.3036, 0.5972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

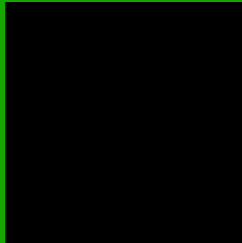
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.4319, 0.3036, 0.5972

Background



This preview shows how black text looks on a background with the Yxy color 27.4319, 0.3036, 0.5972.



This preview shows how white text looks on a background with the Yxy color 27.4319, 0.3036, 0.5972.

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

27.4319, 0.3036, 0.5972

Protanopia

26.8196, 0.4403, 0.4886

Deuteranopia

26.9203, 0.4581, 0.4510



Tritanopia

27.2789, 0.2377, 0.3059

Trichromacy



Original Color

27.4319, 0.3036, 0.5972



Protanomaly

25.3844, 0.3717, 0.5431



Deuteranomaly

24.6846, 0.3847, 0.5184



Tritanomaly

26.2512, 0.2698, 0.4347

Monochromacy



Original Color

27.4319, 0.3036, 0.5972



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

17.0279, 0.3143, 0.4695

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4319, 0.3036, 0.5972 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(21, 166, 0)` looks like.

```
.text, #text, p{  
    color:rgb(21, 166, 0)  
}
```

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(21, 166, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 166, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.4319, 0.3036, 0.5972 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(21, 166, 0) }
```

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

```
.border{ border-color:rgb(21, 166, 0) }
```

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

Here you see how a box with a 4 pixel rgb(21, 166, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 166, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 166, 0);  
box-shadow:4px 4px 4px 4px rgb(21, 166, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 27.4319, 0.3036, 0.5972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 166, 0) }
```

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

```
.background{ background-color: rgb(21, 166,  
0) }
```

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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