

Converting Colors

$Yxy(26.9428, 0.3039, 0.5969)$

Have a look what the booklet for
Yxy(26.9428, 0.3039, 0.5969)
contains.

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Color

Yxy(27.0808, 0.3039, 0.5969)

Conversions

Conversions Part 1

Format	Color
Hex	16A500
RGB	22, 165, 0
RGB Percent	9%, 65%, 0%
CMY	0.9133, 0.3529, 0.9999
CMYK	0.87, 0.00, 1.00, 0.35
HSL	112°, 100%, 32%
HSV	112°, 100%, 65%
XYZ	13.7877, 27.0808, 4.5006
YIQ	103.4330, -32.2630, -81.6310

Conversions

Conversions Part 2

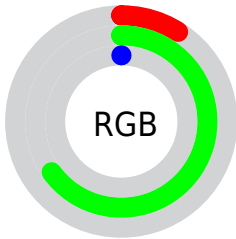
Format	Color
RYB	0, 165, 143
Decimal	1484032
CIELab	59.05, -60.77, 60.24
CIELCh	59, 85.571, 135.250
Yxy	27.0808, 0.3039, 0.5969
Android (android.graphics.Color)	4279674112 (0xFF16A500)
YUV	103.4330, -50.9925, -71.4167
Hunter-Lab	52.0392, -43.7755, 31.2998

Details

The Yxy color **27.0808, 0.3039, 0.5969** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **8.5496, 0.2876, 0.1358**, and the grayscale version is **13.8382, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.8466, 0.3150, 0.5364**, and **11.3689, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **27.0817, 0.3039, 0.5969**, and if you desaturate by 10%, it is **27.3313, 0.3064, 0.5858**.

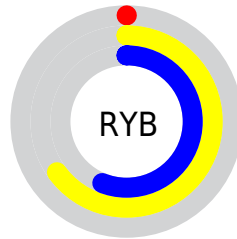
Distribution



Red (9%)

Green (65%)

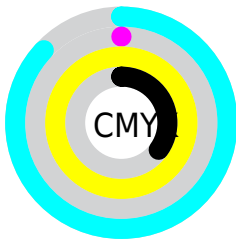
Blue (0%)



Red (0%)

Yellow (65%)

Blue (56%)

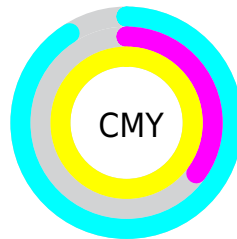


Cyan (87%)

Magenta (0%)

Yellow (100%)

Black (35%)



Cyan (91%)


Magenta (35%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0808, 0.3039, 0.5969 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 27.0808, 0.3039, 0.5969 by changing the saturation by 10% instead.

 27.0808, 0.3039,
0.5969


 27.0808, 0.3039,
0.5969


288.0481, 0.3217,
0.4424


 17.6339, 0.2919,
0.6391


 55.0135, 0.3152,
0.5369

 10.6875, 0.2722,
0.6956


 74.2681, 0.3179,
0.5153

 5.8571, 0.2356,
0.7644

 97.5607, 0.3195,
0.4976

 2.7584, 0.1588,
0.8412

 125.2758, 0.3205,
0.4828

 1.0069, 0.0000,
1.0000


 157.7977, 0.3211,
0.4703

 0.0000, 0.0000,
0.0000


 195.5107, 0.3215,


0.4596


 238.7994, 0.3216,
0.4504


 27.0808, 0.3039,
0.5969

 27.0808, 0.3039,
0.5969

 27.0817, 0.3039,
0.5969

 27.3313, 0.3064,
0.5858

 27.7157, 0.3091,
0.5681

 28.2593, 0.3114,
0.5432

 28.9775, 0.3131,
0.5130

 29.8838, 0.3142,
0.4799

■ 30.9902, 0.3147,
0.4459

■ 32.3080, 0.3147,
0.4129

■ 33.8474, 0.3143,
0.3820

■ 35.6179, 0.3136,
0.3540

Harmonies

Analogous

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



27.0808, 0.4213, 0.5503



27.0808, 0.3039, 0.5969



27.0808, 0.1941, 0.4955

Triad

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



27.0808, 0.3039, 0.5969



27.0808, 0.1174, 0.1522



27.0808, 0.5381, 0.2862

Complementary

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



27.0808, 0.3039, 0.5969



8.5496, 0.2876, 0.1358

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.



27.0808, 0.4075, 0.2165



27.0808, 0.3039, 0.5969



27.0808, 0.1674, 0.1439

Square

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



27.0808, 0.3039, 0.5969



27.0808, 0.1031, 0.2013



27.0808, 0.2646, 0.1661



27.0808, 0.5771, 0.3638

Rectangle

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



27.0808, 0.3039, 0.5969



27.0808, 0.1418, 0.3733



27.0808, 0.2646, 0.1661



27.0808, 0.5018, 0.2618

Sweetspot

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



27.0819, 0.3039, 0.5969



57.7185, 0.3147, 0.4147



26.8295, 0.4482, 0.4823



12.4044, 0.3148, 0.4277



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



27.0819, 0.3039, 0.5969



48.4508, 0.3033, 0.5974



27.2134, 0.2848, 0.5453



7.9384, 0.3135, 0.3521



20.5010, 0.3043, 0.5966



0.4432, 0.3209, 0.5834

Inverse Universe

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



8.5496, 0.2876, 0.1358



15.2460, 0.2870, 0.1355



9.0667, 0.4327, 0.2158



7.1539, 0.3117, 0.3067



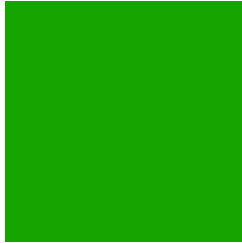
6.4830, 0.2880, 0.1360



0.1487, 0.3007, 0.1430

Previews

White Background



This preview shows how the Yxy color 27.0808, 0.3039, 0.5969 looks on a white background.

Color Contrast Check

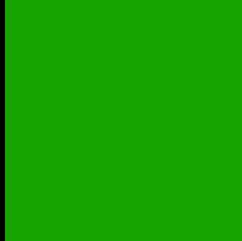
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.0808, 0.3039, 0.5969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

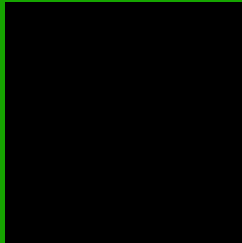
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.0808, 0.3039, 0.5969

Background



This preview shows how black text looks on a background with the Yxy color 27.0808, 0.3039, 0.5969.



This preview shows how white text looks on a background with the Yxy color 27.0808, 0.3039, 0.5969.

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

27.0808, 0.3039, 0.5969

Protanopia

26.7169, 0.4392, 0.4895

Deuteranopia

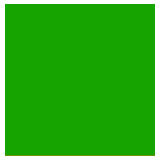
26.5247, 0.4582, 0.4506



Tritanopia

26.9134, 0.2380, 0.3057

Trichromacy



Original Color

27.0808, 0.3039, 0.5969



Protanomaly

25.0639, 0.3725, 0.5424



Deuteranomaly

24.3776, 0.3857, 0.5176



Tritanomaly

25.9388, 0.2701, 0.4330

Monochromacy



Original Color

27.0808, 0.3039, 0.5969



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

16.7709, 0.3144, 0.4680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0808, 0.3039, 0.5969 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(22, 165, 0)` looks like.

```
.text, #text, p{  
    color:rgb(22, 165, 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(22, 165, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 165, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.0808, 0.3039, 0.5969 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(22, 165, 0) }
```

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

```
.border{ border-color:rgb(22, 165, 0) }
```

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

Here you see how a box with a 4 pixel rgb(22, 165, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 165, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 165, 0);  
box-shadow:4px 4px 4px 4px rgb(22, 165, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 27.0808, 0.3039, 0.5969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 165, 0) }
```

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

```
.background{ background-color: rgb(22, 165,  
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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