

Converting Colors

$Y_{xy}(30.5383, 0.3025, 0.5980)$

Have a look what the booklet for
Yxy(30.5383, 0.3025, 0.5980)
contains.

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Color

Yxy(30.4007, 0.3026, 0.5979)

Conversions

Conversions Part 1

Format	Color
Hex	12AE00
RGB	18, 174, 0
RGB Percent	7%, 68%, 0%
CMY	0.9294, 0.3176, 0.9996
CMYK	0.90, 0.00, 1.00, 0.32
HSL	114°, 100%, 34%
HSV	114°, 100%, 68%
XYZ	15.3859, 30.4007, 5.0592
YIQ	107.5200, -37.1220, -87.1860

Conversions

Conversions Part 2

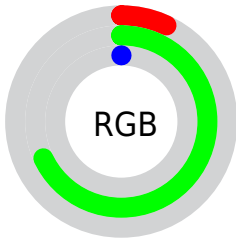
Format	Color
RYB	0, 174, 156
Decimal	1224192
CIELab	62.00, -63.70, 62.58
CIELCh	62, 89.297, 135.509
Yxy	30.4007, 0.3026, 0.5979
Android (android.graphics.Color)	4279414272 (0xFF12AE00)
YUV	107.5200, -53.0074, -78.5090
Hunter-Lab	55.1368, -46.6790, 33.1555

Details

The Yxy color **30.4007, 0.3026, 0.5979** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **10.1347, 0.2952, 0.1400**, and the grayscale version is **15.0178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3692, 0.3136, 0.5393**, and **13.4329, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **30.4010, 0.3026, 0.5979**, and if you desaturate by 10%, it is **30.6487, 0.3046, 0.5875**.

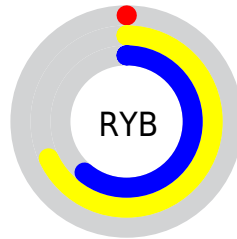
Distribution



Red (7%)

Green (68%)

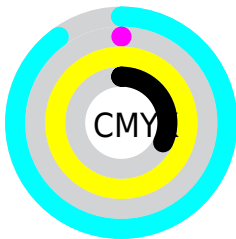
Blue (0%)



Red (0%)

Yellow (68%)

Blue (61%)

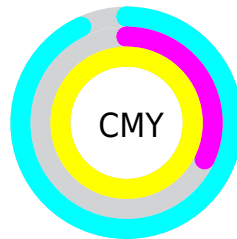


Cyan (90%)

Magenta (0%)

Yellow (100%)

Black (32%)



Cyan (93%)


Magenta (32%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.4007, 0.3026, 0.5979 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 30.4007, 0.3026, 0.5979 by changing the saturation by 10% instead.


 30.4007, 0.3026,
0.5979

 30.4007, 0.3026,
0.5979


303.7678, 0.3211,
0.4453

 20.1429, 0.2910,
0.6386


 60.2953, 0.3140,
0.5394


 12.4990, 0.2716,
0.6905


 80.7009, 0.3167,
0.5182

 7.0845, 0.2396,
0.7604

 105.2579, 0.3185,
0.5006

 3.5150, 0.1777,
0.8223

 134.3507, 0.3196,
0.4859

 1.4061, 0.0000,
1.0000

 168.3637, 0.3203,
0.4734

 0.2212, 0.0000,
1.0000

 207.6813, 0.3207,

 0.0000, 0.0000,


0.4627

0.0000


 252.6878, 0.3210,
0.4534

 30.4007, 0.3026,
0.5979


 30.4007, 0.3026,
0.5979


 30.4010, 0.3026,
0.5979

 30.6487, 0.3046,
0.5875

 31.0523, 0.3069,
0.5702

 31.6417, 0.3091,
0.5454

 32.4360, 0.3108,
0.5150

 33.4520, 0.3121,
0.4814

■ 34.7047, 0.3129,
0.4469

■ 36.2077, 0.3133,
0.4135

■ 37.9738, 0.3133,
0.3823

■ 40.0145, 0.3131,
0.3540

Harmonies

Analogous

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



30.4007, 0.4203, 0.5516



30.4007, 0.3026, 0.5979



30.4007, 0.1928, 0.4948

Triad

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



30.4007, 0.3026, 0.5979



30.4007, 0.1171, 0.1515



30.4007, 0.5397, 0.2866

Complementary

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



30.4007, 0.3026, 0.5979



10.1347, 0.2952, 0.1400

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.



30.4007, 0.4092, 0.2167



30.4007, 0.3026, 0.5979



30.4007, 0.1676, 0.1435

Square

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



30.4007, 0.3026, 0.5979



30.4007, 0.1025, 0.2001



30.4007, 0.2655, 0.1660



30.4007, 0.5779, 0.3643

Rectangle

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



30.4007, 0.3026, 0.5979



30.4007, 0.1407, 0.3719



30.4007, 0.2655, 0.1660



30.4007, 0.5036, 0.2621

Sweetspot

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



30.4020, 0.3026, 0.5979



65.5032, 0.3133, 0.4154



32.0157, 0.4413, 0.4878



14.2983, 0.3132, 0.4291



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



30.4020, 0.3026, 0.5979



55.0975, 0.3021, 0.5983



30.6760, 0.2824, 0.5367



8.9774, 0.3131, 0.3523



22.0624, 0.3030, 0.5977



0.6261, 0.3148, 0.5883

Inverse Universe

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



10.1347, 0.2952, 0.1400



18.3200, 0.2948, 0.1397



10.0696, 0.4465, 0.2234



8.1055, 0.3122, 0.3065



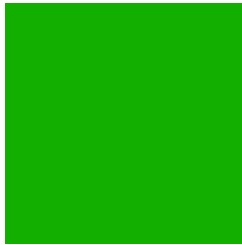
7.3634, 0.2955, 0.1402



0.2166, 0.3037, 0.1447

Previews

White Background



This preview shows how the Yxy color 30.4007, 0.3026, 0.5979 looks on a white background.

Color Contrast Check

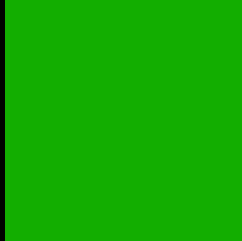
Large Text (above 18pt) WCAG AA × Fail

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 30.4007, 0.3026, 0.5979 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 ✓ Pass

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

Yxy 30.4007, 0.3026, 0.5979

Background



This preview shows how black text looks on a background with the Yxy color 30.4007, 0.3026, 0.5979.



This preview shows how white text looks on a background with the Yxy color 30.4007, 0.3026, 0.5979.

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

30.4007, 0.3026, 0.5979

Protanopia

29.8197, 0.4405, 0.4884

Deuteranopia

29.7545, 0.4594, 0.4501



Tritanopia

30.4317, 0.2375, 0.3068

Trichromacy



Original Color

30.4007, 0.3026, 0.5979



Protanomaly

27.9644, 0.3704, 0.5441



Deuteranomaly

27.2840, 0.3839, 0.5196



Tritanomaly

29.2044, 0.2692, 0.4362

Monochromacy



Original Color

30.4007, 0.3026, 0.5979



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

18.4281, 0.3119, 0.4701

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4007, 0.3026, 0.5979 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(18, 174, 0)` looks like.

```
.text, #text, p{  
    color:rgb(18, 174, 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(18, 174, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 174, 0) }
```

Border

The CSS property to change the border of an element to Yxy 30.4007, 0.3026, 0.5979 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(18, 174, 0) }
```

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

```
.border{ border-color:rgb(18, 174, 0) }
```

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

Here you see how a box with a 4 pixel rgb(18, 174, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 174, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 174, 0);  
box-shadow:4px 4px 4px 4px rgb(18, 174, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 30.4007, 0.3026, 0.5979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 174, 0) }
```

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

```
.background{ background-color: rgb(18, 174,  
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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