

Converting Colors

$Y_{xy}(29.5584, 0.2791, 0.6015)$

Have a look what the booklet for
Yxy(29.5584, 0.2791, 0.6015)
contains.

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Color

Yxy(30.3381, 0.2968, 0.5885)

Conversions

Conversions Part 1

Format	Color
Hex	00AE18
RGB	0, 174, 24
RGB Percent	0%, 68%, 9%
CMY	1.0000, 0.3176, 0.9059
CMYK	1.00, 0.00, 0.86, 0.32
HSL	128°, 100%, 34%
HSV	128°, 100%, 68%
XYZ	15.3005, 30.3381, 5.9130
YIQ	104.8740, -55.5540, -83.5380

Conversions

Conversions Part 2

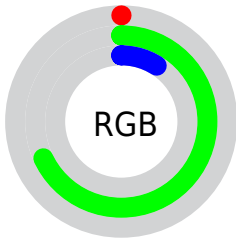
Format	Color
RYB	0, 153, 174
Decimal	44568
CIELab	61.94, -63.98, 58.65
CIELCh	62, 86.791, 137.487
Yxy	30.3381, 0.2968, 0.5885
Android (android.graphics.Color)	4278234648 (0xFF00AE18)
YUV	104.8740, -39.8709, -91.9745
Hunter-Lab	55.0800, -46.8051, 32.1911

Details

The Yxy color **30.3381, 0.2968, 0.5885** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **11.2013, 0.3589, 0.1751**, and the grayscale version is **14.2125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2787, 0.3085, 0.5313**, and **13.4329, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **30.3396, 0.2968, 0.5885**, and if you desaturate by 10%, it is **30.5430, 0.2955, 0.5734**.

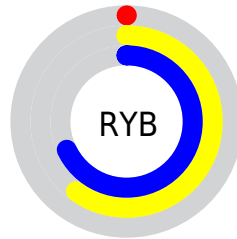
Distribution



Red (0%)

Green (68%)

Blue (9%)



Red (0%)

Yellow (60%)

Blue (68%)

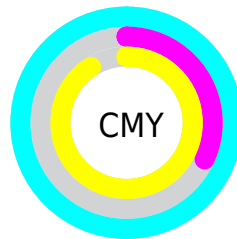


Cyan (100%)

Magenta (0%)

Yellow (86%)

Black (32%)



Cyan (100%)


Magenta (32%)


Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.3381, 0.2968, 0.5885 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 30.3381, 0.2968, 0.5885 by changing the saturation by 10% instead.


 30.3381, 0.2968,
0.5885


 30.3381, 0.2968,
0.5885


303.4772, 0.3169,
0.4401


 20.0954, 0.2855,
0.6292


 60.1965, 0.3083,
0.5310


 12.4644, 0.2665,
0.6813


 80.5809, 0.3112,
0.5103


 7.0608, 0.2383,
0.7617


 105.1146, 0.3132,
0.4933

 3.5001, 0.1760,
0.8240

 134.1821, 0.3145,
0.4791

 1.3981, 0.0000,
1.0000

 168.1677, 0.3155,
0.4670

 0.2153, 0.0000,
1.0000

 207.4558, 0.3161,

 0.0000, 0.0000,

0.4568

0.0000

252.4309, 0.3166,
0.4479

■ 30.3381, 0.2968,
0.5885

■ 30.3381, 0.2968,
0.5885

■ 30.3396, 0.2968,
0.5885

■ 30.5430, 0.2955,
0.5734

■ 30.8938, 0.2946,
0.5520

■ 31.4387, 0.2947,
0.5253

■ 32.2011, 0.2958,
0.4952

■ 33.2009, 0.2977,
0.4636

■ 34.4558, 0.3003,
0.4323

■ 35.9819, 0.3032,
0.4026

■ 37.7938, 0.3064,
0.3753

■ 39.9053, 0.3096,
0.3507

Harmonies

Analogous

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



30.3381, 0.4126, 0.5532



30.3381, 0.2968, 0.5885



30.3381, 0.1902, 0.4784

Triad

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



30.3381, 0.2968, 0.5885



30.3381, 0.1227, 0.1534



30.3381, 0.5396, 0.2932

Complementary

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



30.3381, 0.2968, 0.5885



11.2013, 0.3589, 0.1751

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.



30.3381, 0.4166, 0.2233



30.3381, 0.2968, 0.5885



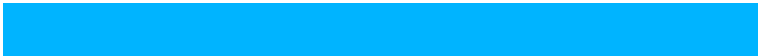
30.3381, 0.1753, 0.1474

Square

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



30.3381, 0.2968, 0.5885



30.3381, 0.1061, 0.1986



30.3381, 0.2750, 0.1715



30.3381, 0.5711, 0.3708

Rectangle

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



30.3381, 0.2968, 0.5885



30.3381, 0.1408, 0.3599



30.3381, 0.2750, 0.1715



30.3381, 0.5064, 0.2688

Sweetspot

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



30.3396, 0.2968, 0.5885



65.1046, 0.3031, 0.4042



36.8342, 0.3961, 0.5237



14.2048, 0.3018, 0.4162



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.



30.3396, 0.2968, 0.5885



55.0113, 0.2973, 0.5903



31.4039, 0.2592, 0.4532



8.9567, 0.3098, 0.3491



22.0098, 0.2965, 0.5872



0.6177, 0.2847, 0.5449

Inverse Universe

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



11.2013, 0.3589, 0.1751



20.2924, 0.3597, 0.1755



9.3670, 0.5501, 0.2804



8.1288, 0.3158, 0.3097



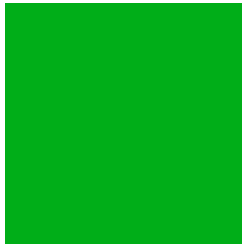
8.1305, 0.3585, 0.1748



0.2313, 0.3455, 0.1677

Previews

White Background



This preview shows how the Yxy color 30.3381, 0.2968, 0.5885 looks on a white background.

Color Contrast Check

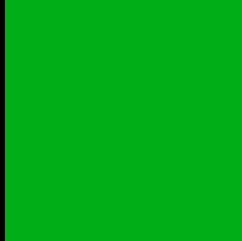
Large Text (above 18pt) WCAG AA × Fail

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 30.3381, 0.2968, 0.5885 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

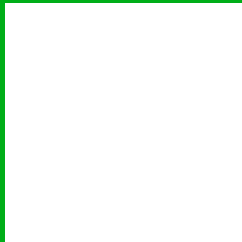
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.3381, 0.2968, 0.5885

Background



This preview shows how black text looks on a background with the Yxy color 30.3381, 0.2968, 0.5885.



This preview shows how white text looks on a background with the Yxy color 30.3381, 0.2968, 0.5885.

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

30.3381, 0.2968, 0.5885

Protanopia

29.8571, 0.4376, 0.4841

Deuteranopia

29.6707, 0.4551, 0.4467



Tritanopia

30.3523, 0.2366, 0.3068

Trichromacy



Original Color

30.3381, 0.2968, 0.5885



Protanomaly

27.6265, 0.3608, 0.5416



Deuteranomaly

26.7676, 0.3701, 0.5161



Tritanomaly

29.2093, 0.2600, 0.4184

Monochromacy



Original Color

30.3381, 0.2968, 0.5885



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

17.6804, 0.2981, 0.4543

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3381, 0.2968, 0.5885 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(0, 174, 24)` looks like.

```
.text, #text, p{  
    color:rgb(0, 174, 24)  
}
```

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(0, 174, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 24) }
```

Border

The CSS property to change the border of an element to Yxy 30.3381, 0.2968, 0.5885 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(0, 174, 24) }
```

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

```
.border{ border-color:rgb(0, 174, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 174, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 24);  
box-shadow:4px 4px 4px 4px rgb(0, 174, 24)  
}
```


Background

The CSS property to change the background color of an element to Yxy 30.3381, 0.2968, 0.5885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 174, 24) }
```

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

```
.background{ background-color: rgb(0, 174,  
24) }
```

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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