

Converting Colors

$Y_{xy}(31.0425, 0.2995, 0.5980)$

Have a look what the booklet for
Yxy(31.0425, 0.2995, 0.5980)
contains.

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Color

Yxy(31.0616, 0.2995, 0.5981)

Conversions

Conversions Part 1

Format	Color
Hex	00B005
RGB	0, 176, 5
RGB Percent	0%, 69%, 2%
CMY	0.9993, 0.3098, 0.9805
CMYK	1.00, 0.00, 0.97, 0.31
HSL	122°, 100%, 35%
HSV	122°, 100%, 69%
XYZ	15.5542, 31.0616, 5.3180
YIQ	103.8820, -50.0050, -90.4930

Conversions

Conversions Part 2

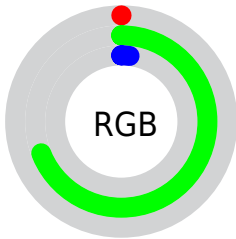
Format	Color
RYB	0, 171, 176
Decimal	45061
CIELab	62.56, -65.13, 62.34
CIElCh	63, 90.157, 136.254
Yxy	31.0616, 0.2995, 0.5981
Android (android.graphics.Color)	4278235141 (0xFF00B005)
YUV	103.8820, -48.7488, -91.1045
Hunter-Lab	55.7329, -47.7161, 33.3556

Details

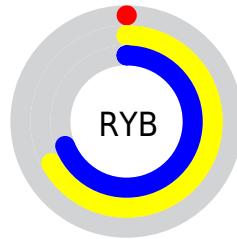
The Yxy color **31.0616, 0.2995, 0.5981** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **12.1821, 0.3278, 0.1580**, and the grayscale version is **13.9675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3550, 0.3113, 0.5393**, and **13.9191, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **31.0614, 0.2995, 0.5982**, and if you desaturate by 10%, it is **31.2356, 0.2997, 0.5882**.

Distribution



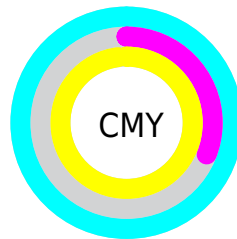
- Red (0%)
- Green (69%)
- Blue (2%)



- Red (0%)
- Yellow (67%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (97%)
- Black (31%)





- Cyan (100%)
- Magenta (31%)
- Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0616, 0.2995, 0.5981 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 31.0616, 0.2995, 0.5981 by changing the saturation by 10% instead.


 31.0616, 0.2995,
0.5981

 31.0616, 0.2995,
0.5981


306.8220, 0.3194,
0.4455


 20.6458, 0.2877,
0.6389


 61.3370, 0.3113,
0.5396


 12.8653, 0.2681,
0.6905

 81.9654, 0.3142,
0.5183


 7.3359, 0.2370,
0.7630


 106.7668, 0.3162,
0.5008

 3.6730, 0.1759,
0.8241

 136.1255, 0.3175,
0.4860

 1.4924, 0.0000,
1.0000

 170.4260, 0.3183,
0.4735

 0.2834, 0.0000,
1.0000


 210.0527, 0.3189,


 0.0000, 0.0000,

0.4628


0.0000

 255.3899, 0.3192,
0.4536


 31.0616, 0.2995,
0.5981


 31.0616, 0.2995,
0.5981

 31.0614, 0.2995,
0.5982

 31.2356, 0.2997,
0.5882

 31.5627, 0.3001,
0.5706

 32.0959, 0.3010,
0.5453

 32.8616, 0.3023,
0.5144

 33.8822, 0.3039,
0.4804

■ 35.1776, 0.3058,
0.4457

■ 36.7656, 0.3076,
0.4122

■ 38.6626, 0.3094,
0.3812

■ 40.8837, 0.3112,
0.3533

Harmonies

Analogous

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



31.0616, 0.4175, 0.5541



31.0616, 0.2995, 0.5981



31.0616, 0.1901, 0.4909

Triad

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



31.0616, 0.2995, 0.5981



31.0616, 0.1176, 0.1506



31.0616, 0.5425, 0.2883

Complementary

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



31.0616, 0.2995, 0.5981



12.1821, 0.3278, 0.1580

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.



31.0616, 0.4132, 0.2180



31.0616, 0.2995, 0.5981



31.0616, 0.1691, 0.1434

Square

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



31.0616, 0.2995, 0.5981



31.0616, 0.1022, 0.1979



31.0616, 0.2685, 0.1666



31.0616, 0.5779, 0.3663

Rectangle

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



31.0616, 0.2995, 0.5981



31.0616, 0.1389, 0.3675



31.0616, 0.2685, 0.1666



31.0616, 0.5071, 0.2638

Sweetspot

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



31.0629, 0.2995, 0.5981



66.4839, 0.3075, 0.4142



39.9435, 0.4164, 0.5075



14.1403, 0.3067, 0.4278



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.



31.0629, 0.2995, 0.5981



56.3294, 0.2996, 0.5987



31.8077, 0.2707, 0.4943



9.4937, 0.3113, 0.3519



22.7916, 0.2994, 0.5978



0.7184, 0.2969, 0.5888

Inverse Universe

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



12.1821, 0.3278, 0.1580



22.0811, 0.3279, 0.1580



9.8924, 0.5020, 0.2540



8.6426, 0.3142, 0.3072



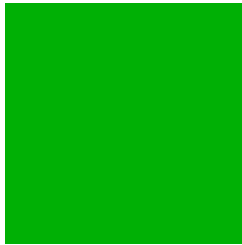
8.9367, 0.3277, 0.1579



0.2824, 0.3257, 0.1568

Previews

White Background



This preview shows how the Yxy color 31.0616, 0.2995, 0.5981 looks on a white background.

Color Contrast Check

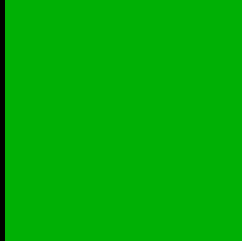
Large Text (above 18pt) WCAG AA × Fail

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 31.0616, 0.2995, 0.5981 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 31.0616, 0.2995, 0.5981

Background



This preview shows how black text looks on a background with the Yxy color 31.0616, 0.2995, 0.5981.



This preview shows how white text looks on a background with the Yxy color 31.0616, 0.2995, 0.5981.

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

31.0616, 0.2995, 0.5981

Protanopia

30.6793, 0.4403, 0.4886

Deuteranopia

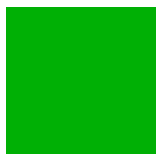
30.6037, 0.4592, 0.4510



Tritanopia

31.1811, 0.2367, 0.3070

Trichromacy



Original Color

31.0616, 0.2995, 0.5981



Protanomaly

28.3341, 0.3634, 0.5487



Deuteranomaly

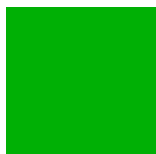
27.5103, 0.3750, 0.5249



Tritanomaly

29.8245, 0.2649, 0.4338

Monochromacy



Original Color

31.0616, 0.2995, 0.5981



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

17.5409, 0.3041, 0.4731

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0616, 0.2995, 0.5981 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, 176, 5)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 5)  
}
```

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, 176, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 5) }
```

Border

The CSS property to change the border of an element to Yxy 31.0616, 0.2995, 0.5981 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, 176, 5) }
```

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

```
.border{ border-color:rgb(0, 176, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 176, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 176, 5); box-shadow:4px  
4px 4px 4px rgb(0, 176, 5) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0616, 0.2995, 0.5981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 176, 5) }
```

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

```
.background{ background-color: rgb(0, 176,  
5) }
```

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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