

Converting Colors

Yxy(31.0818, 0.2997, 0.5989)

Have a look what the booklet for
Yxy(31.0818, 0.2997, 0.5989)
contains.

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Color

Yxy(31.0572, 0.2997, 0.5989)

Conversions

Conversions Part 1

Format	Color
Hex	00B003
RGB	0, 176, 3
RGB Percent	0%, 69%, 1%
CMY	0.9999, 0.3098, 0.9886
CMYK	1.00, 0.00, 0.98, 0.31
HSL	121°, 100%, 35%
HSV	121°, 100%, 69%
XYZ	15.5416, 31.0572, 5.2583
YIQ	103.6540, -49.3630, -91.1150

Conversions

Conversions Part 2

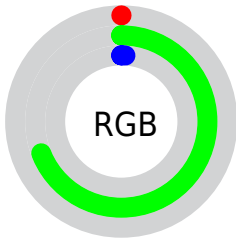
Format	Color
RYB	0, 173, 176
Decimal	45059
CIELab	62.56, -65.19, 62.61
CIELCh	63, 90.384, 136.156
Yxy	31.0572, 0.2997, 0.5989
Android (android.graphics.Color)	4278235139 (0xFF00B003)
YUV	103.6540, -49.6224, -90.9046
Hunter-Lab	55.7290, -47.7461, 33.4160

Details

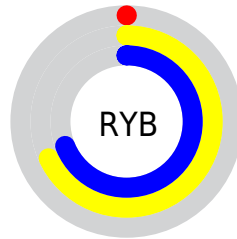
The Yxy color **31.0572, 0.2997, 0.5989** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **12.2537, 0.3250, 0.1564**, and the grayscale version is **13.8915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3410, 0.3116, 0.5403**, and **13.9191, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **31.0582, 0.2997, 0.5989**, and if you desaturate by 10%, it is **31.2283, 0.3000, 0.5894**.

Distribution



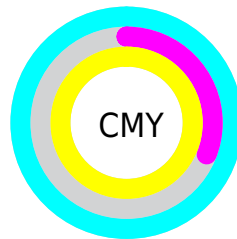
- Red (0%)
- Green (69%)
- Blue (1%)



- Red (0%)
- Yellow (68%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (98%)
- Black (31%)




- Cyan (100%)
- Magenta (31%)
- Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0572, 0.2997, 0.5989 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 31.0572, 0.2997, 0.5989 by changing the saturation by 10% instead.


 31.0572, 0.2997,
0.5989


 31.0572, 0.2997,
0.5989


306.8018, 0.3197,
0.4459

 20.6424, 0.2879,
0.6397


 61.3301, 0.3115,
0.5403


 12.8629, 0.2682,
0.6914


 81.9570, 0.3145,
0.5190

 7.3342, 0.2368,
0.7632


 106.7568, 0.3164,
0.5013

 3.6720, 0.1756,
0.8244

 136.1137, 0.3177,
0.4866

 1.4918, 0.0000,
1.0000

 170.4123, 0.3185,
0.4741


 0.2830, 0.0000,
1.0000


 210.0369, 0.3191,


 0.0000, 0.0000,


0.4633

0.0000


 255.3719, 0.3194,
0.4540


 31.0572, 0.2997,
0.5989

 31.0572, 0.2997,
0.5989

 31.0582, 0.2997,
0.5989

 31.2283, 0.3000,
0.5894

 31.5503, 0.3006,
0.5723

 32.0787, 0.3015,
0.5474

 32.8402, 0.3029,
0.5165

 33.8576, 0.3045,
0.4823

■ 35.1509, 0.3063,
0.4473

■ 36.7381, 0.3080,
0.4134

■ 38.6358, 0.3097,
0.3821

■ 40.8592, 0.3113,
0.3538

Harmonies

Analogous

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



31.0572, 0.4179, 0.5542



31.0572, 0.2997, 0.5989



31.0572, 0.1901, 0.4920

Triad

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



31.0572, 0.2997, 0.5989



31.0572, 0.1172, 0.1503



31.0572, 0.5428, 0.2879

Complementary

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



31.0572, 0.2997, 0.5989



12.2537, 0.3250, 0.1564

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.



31.0572, 0.4129, 0.2176



31.0572, 0.2997, 0.5989



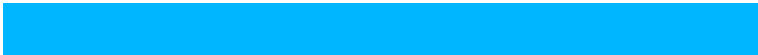
31.0572, 0.1686, 0.1431

Square

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



31.0572, 0.2997, 0.5989



31.0572, 0.1018, 0.1979



31.0572, 0.2679, 0.1662



31.0572, 0.5785, 0.3659

Rectangle

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



31.0572, 0.2997, 0.5989



31.0572, 0.1387, 0.3681



31.0572, 0.2679, 0.1662



31.0572, 0.5072, 0.2634

Sweetspot

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



31.0585, 0.2997, 0.5989



66.4570, 0.3079, 0.4152



40.2825, 0.4193, 0.5052



14.1342, 0.3072, 0.4290



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.



31.0585, 0.2997, 0.5989



56.3239, 0.2998, 0.5992



31.7570, 0.2723, 0.5001



9.4923, 0.3114, 0.3521



22.7879, 0.2996, 0.5987



0.7177, 0.2981, 0.5932

Inverse Universe

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



12.2537, 0.3250, 0.1564



22.2184, 0.3251, 0.1564



9.9361, 0.4951, 0.2501



8.6443, 0.3140, 0.3069



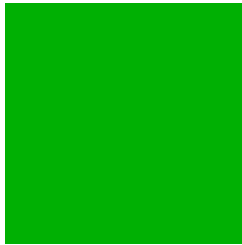
8.9908, 0.3250, 0.1564



0.2836, 0.3238, 0.1557

Previews

White Background



This preview shows how the Yxy color 31.0572, 0.2997, 0.5989 looks on a white background.

Color Contrast Check

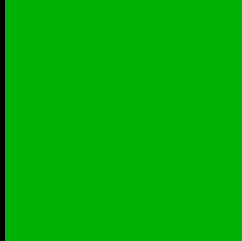
Large Text (above 18pt) WCAG AA × Fail

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 31.0572, 0.2997, 0.5989 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

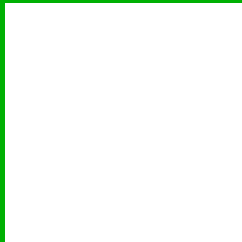
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.0572, 0.2997, 0.5989

Background



This preview shows how black text looks on a background with the Yxy color 31.0572, 0.2997, 0.5989.



This preview shows how white text looks on a background with the Yxy color 31.0572, 0.2997, 0.5989.

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

31.0572, 0.2997, 0.5989

Protanopia

30.6793, 0.4403, 0.4886

Deuteranopia

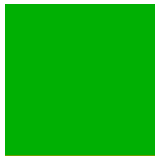
30.6037, 0.4592, 0.4510



Tritanopia

31.1811, 0.2367, 0.3070

Trichromacy



Original Color

31.0572, 0.2997, 0.5989



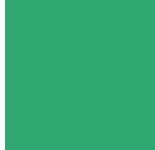
Protanomaly

28.3319, 0.3636, 0.5491



Deuteranomaly

27.5059, 0.3753, 0.5255



Tritanomaly

29.8245, 0.2649, 0.4338

Monochromacy



Original Color

31.0572, 0.2997, 0.5989



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

17.5288, 0.3049, 0.4754

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0572, 0.2997, 0.5989 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, 3)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 3)  
}
```

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, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 3) }
```

Border

The CSS property to change the border of an element to Yxy 31.0572, 0.2997, 0.5989 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, 3) }
```

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

```
.border{ border-color:rgb(0, 176, 3) }
```

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, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 176, 3); box-shadow:4px  
4px 4px 4px rgb(0, 176, 3) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0572, 0.2997, 0.5989 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, 3) }
```

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

```
.background{ background-color: rgb(0, 176,  
3) }
```

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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