

Converting Colors

$Y_{xy}(31.6118, 0.2768, 0.5165)$

Have a look what the booklet for
Yxy(31.6118, 0.2768, 0.5165)
contains.

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Color

Yxy(31.6152, 0.2769, 0.5169)

Conversions

Conversions Part 1

Format	Color
Hex	00B04F
RGB	0, 176, 79
RGB Percent	0%, 69%, 31%
CMY	1.0000, 0.3098, 0.6901
CMYK	1.00, 0.00, 0.55, 0.31
HSL	147°, 100%, 35%
HSV	147°, 100%, 69%
XYZ	16.9361, 31.6152, 12.6118
YIQ	112.3180, -73.7590, -67.4790

Conversions

Conversions Part 2

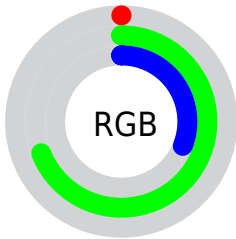
Format	Color
RYB	0, 121, 176
Decimal	45135
CIELab	63.02, -59.26, 38.76
CIELCh	63, 70.807, 146.815
Yxy	31.6152, 0.2769, 0.5169
Android (android.graphics.Color)	4278235215 (0xFF00B04F)
YUV	112.3180, -16.4258, -98.5029
Hunter-Lab	56.2274, -44.6326, 26.0604

Details

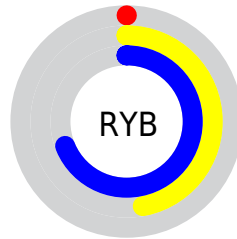
The Yxy color **31.6152, 0.2769, 0.5169** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **10.0932, 0.4737, 0.2383**, and the grayscale version is **16.3688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2692, 0.2880, 0.4746**, and **14.0078, 0.2910, 0.5677** is the 20% darker color. If you saturate the color by 10%, you get **31.6174, 0.2769, 0.5169**, and if you desaturate by 10%, it is **31.8939, 0.2741, 0.4978**.

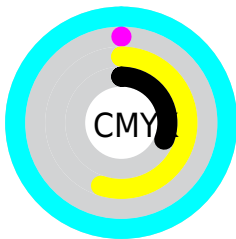
Distribution



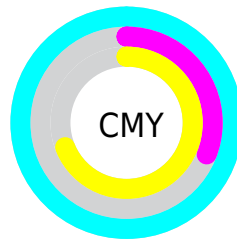
- Red (0%)
- Green (69%)
- Blue (31%)



- Red (0%)
- Yellow (47%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (55%)
- Black (31%)





- Cyan (100%)
- Magenta (31%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.6152, 0.2769, 0.5169 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 31.6152, 0.2769, 0.5169 by changing the saturation by 10% instead.


 31.6152, 0.2769,
0.5169


 31.6152, 0.2769,
0.5169


309.3626, 0.3012,
0.4087

 21.0678, 0.2679,
0.5488


 62.2074, 0.2877,
0.4739

 13.1735, 0.2542,
0.5926


 83.0209, 0.2911,
0.4589

 7.5482, 0.2319,
0.6549


 108.0252, 0.2938,
0.4467

 3.8072, 0.2025,
0.7840

 137.6047, 0.2959,
0.4365

 1.5663, 0.0000,
1.0000

 172.1438, 0.2976,
0.4279

 0.3347, 0.0000,
1.0000

 212.0269, 0.2990,

 0.0000, 0.0000,

0.4206

0.0000

257.6384, 0.3002,
0.4143

■ 31.6152, 0.2769,
0.5169

■ 31.6152, 0.2769,
0.5169

■ 31.6174, 0.2769,
0.5169

■ 31.8939, 0.2741,
0.4978

■ 32.3032, 0.2726,
0.4773

■ 32.8892, 0.2731,
0.4560

■ 33.6732, 0.2755,
0.4347

■ 34.6731, 0.2794,
0.4137

■ 35.9046, 0.2847,
0.3938

■ 37.3822, 0.2909,
0.3752

■ 39.1190, 0.2979,
0.3582

■ 41.1270, 0.3052,
0.3428

Harmonies

Analogous

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



31.6152, 0.3772, 0.5333



31.6152, 0.2769, 0.5169



31.6152, 0.1915, 0.4048

Triad

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



31.6152, 0.2769, 0.5169



31.6152, 0.1601, 0.1744



31.6152, 0.5155, 0.3255

Complementary

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



31.6152, 0.2769, 0.5169



10.0932, 0.4737, 0.2383

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.



31.6152, 0.4336, 0.2591



31.6152, 0.2769, 0.5169



31.6152, 0.2198, 0.1767

Square

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



31.6152, 0.2769, 0.5169



31.6152, 0.1356, 0.2050



31.6152, 0.3174, 0.2064



31.6152, 0.5233, 0.3985

Rectangle

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



31.6152, 0.2769, 0.5169



31.6152, 0.1553, 0.3179



31.6152, 0.3174, 0.2064



31.6152, 0.4955, 0.3025

Sweetspot

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



31.6174, 0.2769, 0.5169



67.6430, 0.2906, 0.3762



33.7467, 0.3463, 0.5632



14.4108, 0.2879, 0.3837



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.



31.6174, 0.2769, 0.5169



57.2960, 0.2778, 0.5199



33.7426, 0.2304, 0.3494



9.5514, 0.3057, 0.3418



23.2084, 0.2764, 0.5150



0.7421, 0.2610, 0.4595

Inverse Universe

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



10.0932, 0.4737, 0.2383



18.2584, 0.4770, 0.2401



9.2565, 0.6326, 0.3259



8.5810, 0.3204, 0.3165



7.4171, 0.4717, 0.2372



0.2449, 0.4190, 0.2082

Previews

White Background



This preview shows how the Yxy color 31.6152, 0.2769, 0.5169 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 31.6152, 0.2769, 0.5169 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 31.6152, 0.2769, 0.5169

Background



This preview shows how black text looks on a background with the Yxy color 31.6152, 0.2769, 0.5169.



This preview shows how white text looks on a background with the Yxy color 31.6152, 0.2769, 0.5169.

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

31.6152, 0.2769, 0.5169

Protanopia

31.2362, 0.4060, 0.4447

Deuteranopia

30.8250, 0.4162, 0.4078



Tritanopia

31.4301, 0.2336, 0.3054

Trichromacy



Original Color

31.6152, 0.2769, 0.5169



Protanomaly

29.1100, 0.3330, 0.4836



Deuteranomaly

28.1989, 0.3372, 0.4566



Tritanomaly

30.8946, 0.2463, 0.3769

Monochromacy



Original Color

31.6152, 0.2769, 0.5169



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

19.5876, 0.2810, 0.4058

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6152, 0.2769, 0.5169 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, 79)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 79)  
}
```

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, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 79) }
```

Border

The CSS property to change the border of an element to Yxy 31.6152, 0.2769, 0.5169 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, 79) }
```

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

```
.border{ border-color:rgb(0, 176, 79) }
```

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, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 79);  
box-shadow:4px 4px 4px 4px rgb(0, 176, 79)  
}
```


Background

The CSS property to change the background color of an element to Yxy 31.6152, 0.2769, 0.5169 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, 79) }
```

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

```
.background{ background-color: rgb(0, 176,  
79) }
```

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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