

Converting Colors

$Y_{xy}(31.3153, 0.2874, 0.5547)$

Have a look what the booklet for
Yxy(31.3153, 0.2874, 0.5547)
contains.

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Color

Yxy(31.3362, 0.2874, 0.5545)

Conversions

Conversions Part 1

Format	Color
Hex	00B038
RGB	0, 176, 56
RGB Percent	0%, 69%, 22%
CMY	0.9990, 0.3098, 0.7804
CMYK	1.00, 0.00, 0.68, 0.31
HSL	139°, 100%, 35%
HSV	139°, 100%, 69%
XYZ	16.2417, 31.3362, 8.9346
YIQ	109.6960, -66.3760, -74.6320

Conversions

Conversions Part 2

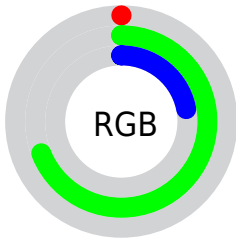
Format	Color
RYB	0, 134, 176
Decimal	45112
CIELab	62.79, -62.15, 48.94
CIELCh	63, 79.106, 141.785
Yxy	31.3362, 0.2874, 0.5545
Android (android.graphics.Color)	4278235192 (0xFF00B038)
YUV	109.6960, -26.4721, -96.2034
Hunter-Lab	55.9787, -46.1727, 29.7220

Details

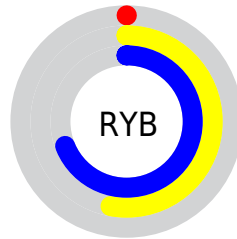
The Yxy color **31.3362, 0.2874, 0.5545** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **10.5979, 0.4205, 0.2091**, and the grayscale version is **15.6168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8148, 0.2979, 0.5030**, and **13.9191, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **31.3340, 0.2874, 0.5548**, and if you desaturate by 10%, it is **31.5951, 0.2846, 0.5346**.

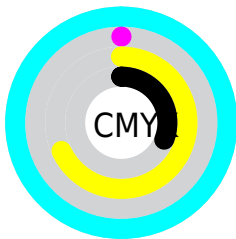
Distribution



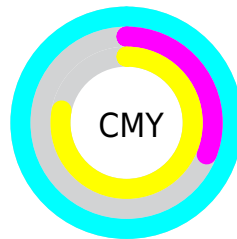
- Red (0%)
- Green (69%)
- Blue (22%)



- Red (0%)
- Yellow (53%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (68%)
- Black (31%)




- Cyan (100%)
- Magenta (31%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3362, 0.2874, 0.5545 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 31.3362, 0.2874, 0.5545 by changing the saturation by 10% instead.


 31.3362, 0.2874,
0.5545


 31.3362, 0.2874,
0.5545


308.0842, 0.3089,
0.4248


 20.8550, 0.2777,
0.5917


 61.7690, 0.2981,
0.5035


 13.0180, 0.2621,
0.6413


 82.4894, 0.3012,
0.4854

 7.4410, 0.2367,
0.7124


 107.3916, 0.3034,
0.4707

 3.7394, 0.1907,
0.8093

 136.8601, 0.3051,
0.4584

 1.5289, 0.0000,
1.0000

 171.2792, 0.3064,
0.4480

 0.3089, 0.0000,
1.0000

 211.0333, 0.3074,

 0.0000, 0.0000,

0.4392

0.0000

256.5068, 0.3082,
0.4315

■ 31.3362, 0.2874,
0.5545

■ 31.3362, 0.2874,
0.5545

■ 31.3340, 0.2874,
0.5548

■ 31.5951, 0.2846,
0.5346

■ 31.9955, 0.2828,
0.5118

■ 32.5826, 0.2828,
0.4867

■ 33.3782, 0.2843,
0.4607

■ 34.4010, 0.2873,
0.4348

■ 35.6675, 0.2913,
0.4098

■ 37.1927, 0.2962,
0.3865

■ 38.9903, 0.3015,
0.3651

■ 41.0730, 0.3071,
0.3459

Harmonies

Analogous

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



31.3362, 0.3960, 0.5464



31.3362, 0.2874, 0.5545



31.3362, 0.1906, 0.4401

Triad

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



31.3362, 0.2874, 0.5545



31.3362, 0.1402, 0.1633



31.3362, 0.5287, 0.3091

Complementary

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



31.3362, 0.2874, 0.5545



10.5979, 0.4205, 0.2091

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.



31.3362, 0.4263, 0.2407



31.3362, 0.2874, 0.5545



31.3362, 0.1966, 0.1613

Square

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



31.3362, 0.2874, 0.5545



31.3362, 0.1200, 0.2013



31.3362, 0.2961, 0.1882



31.3362, 0.5480, 0.3850

Rectangle

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



31.3362, 0.2874, 0.5545



31.3362, 0.1476, 0.3375



31.3362, 0.2961, 0.1882



31.3362, 0.5022, 0.2853

Sweetspot

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



31.3375, 0.2874, 0.5545



67.2542, 0.2958, 0.3880



35.0689, 0.3647, 0.5485



14.3189, 0.2938, 0.3974



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.



31.3375, 0.2874, 0.5545



56.7941, 0.2883, 0.5577



33.0588, 0.2411, 0.3880



9.5330, 0.3074, 0.3449



23.0003, 0.2869, 0.5529



0.7346, 0.2703, 0.4929

Inverse Universe

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



10.5979, 0.4205, 0.2091



19.1645, 0.4228, 0.2103



9.3426, 0.6106, 0.3139



8.5999, 0.3184, 0.3136



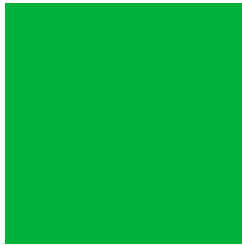
7.7813, 0.4194, 0.2084



0.2549, 0.3859, 0.1899

Previews

White Background



This preview shows how the Yxy color 31.3362, 0.2874, 0.5545 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 31.3362, 0.2874, 0.5545 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 31.3362, 0.2874, 0.5545

Background



This preview shows how black text looks on a background with the Yxy color 31.3362, 0.2874, 0.5545.



This preview shows how white text looks on a background with the Yxy color 31.3362, 0.2874, 0.5545.

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

31.3362, 0.2874, 0.5545

Protanopia

30.7900, 0.4230, 0.4655

Deuteranopia

30.6150, 0.4381, 0.4281



Tritanopia

31.1430, 0.2352, 0.3053

Trichromacy



Original Color

31.3362, 0.2874, 0.5545



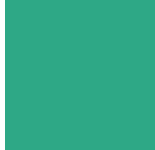
Protanomaly

28.5777, 0.3479, 0.5131



Deuteranomaly

27.7235, 0.3552, 0.4869



Tritanomaly

30.3073, 0.2520, 0.3930

Monochromacy



Original Color

31.3362, 0.2874, 0.5545



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

19.0905, 0.2887, 0.4274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3362, 0.2874, 0.5545 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, 56)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 56)  
}
```

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, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 56) }
```

Border

The CSS property to change the border of an element to Yxy 31.3362, 0.2874, 0.5545 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, 56) }
```

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

```
.border{ border-color:rgb(0, 176, 56) }
```

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, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 56);  
box-shadow:4px 4px 4px 4px rgb(0, 176, 56)  
}
```


Background

The CSS property to change the background color of an element to Yxy 31.3362, 0.2874, 0.5545 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, 56) }
```

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

```
.background{ background-color: rgb(0, 176,  
56) }
```

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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