

Converting Colors

$Y_{xy}(31.4440, 0.2779, 0.5122)$

Have a look what the booklet for
Yxy(31.4440, 0.2779, 0.5122)
contains.

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Color

Yxy(31.3642, 0.2776, 0.5114)

Conversions

Conversions Part 1

Format	Color
Hex	10AF51
RGB	16, 175, 81
RGB Percent	6%, 69%, 32%
CMY	0.9383, 0.3137, 0.6824
CMYK	0.91, 0.00, 0.54, 0.31
HSL	145°, 84%, 37%
HSV	145°, 91%, 69%
XYZ	17.0252, 31.3642, 12.9406
YIQ	116.7430, -64.5900, -62.9420

Conversions

Conversions Part 2

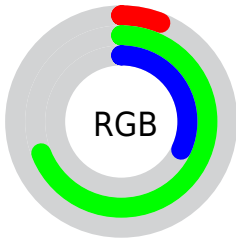
Format	Color
RYB	16, 129, 175
Decimal	1093457
CIELab	62.81, -57.86, 37.55
CIELCh	63, 68.981, 147.016
Yxy	31.3642, 0.2776, 0.5114
Android (android.graphics.Color)	4279283537 (0xFF10AF51)
YUV	116.7430, -17.6213, -88.3516
Hunter-Lab	56.0037, -43.7423, 25.5026

Details

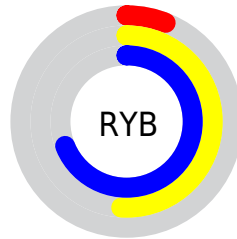
The Yxy color **31.3642, 0.2776, 0.5114** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **10.5974, 0.4406, 0.2260**, and the grayscale version is **17.7505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9206, 0.2883, 0.4703**, and **13.7737, 0.2899, 0.5636** is the 20% darker color. If you saturate the color by 10%, you get **31.1279, 0.2803, 0.5290**, and if you desaturate by 10%, it is **31.7517, 0.2758, 0.4902**.

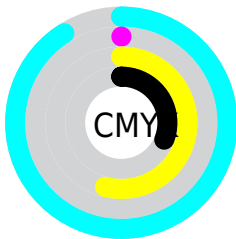
Distribution



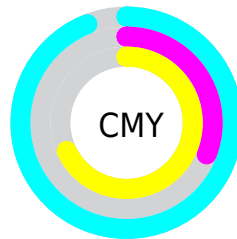
- Red (6%)
- Green (69%)
- Blue (32%)



- Red (6%)
- Yellow (51%)
- Blue (69%)



- Cyan (91%)
- Magenta (0%)
- Yellow (54%)
- Black (31%)




- Cyan (94%)
- Magenta (31%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.3642, 0.2776, 0.5114 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 31.3642, 0.2776, 0.5114 by changing the saturation by 10% instead.


 31.3642, 0.2776,
0.5114


 31.3642, 0.2776,
0.5114


308.2127, 0.3012,
0.4064

 20.8763, 0.2689,
0.5425


 61.8130, 0.2881,
0.4697

 13.0336, 0.2557,
0.5852


 82.5428, 0.2914,
0.4551

 7.4517, 0.2341,
0.6464


 107.4552, 0.2940,
0.4432

 3.7462, 0.2048,
0.7697

 136.9349, 0.2960,
0.4333

 1.5326, 0.0000,
1.0000

 171.3660, 0.2977,
0.4250

 0.3115, 0.0000,
1.0000

 211.1331, 0.2991,

 0.0000, 0.0000,

0.4179

0.0000

256.6205, 0.3003,
0.4117

■ 31.3642, 0.2776,
0.5114

■ 31.3642, 0.2776,
0.5114

■ 31.1279, 0.2803,
0.5290

■ 31.7517, 0.2758,
0.4902

■ 32.3129, 0.2759,
0.4677

■ 33.0703, 0.2778,
0.4448

■ 34.0421, 0.2813,
0.4223

■ 35.2443, 0.2861,
0.4008

■ 36.6913, 0.2919,
0.3806

■ 38.3963, 0.2983,
0.3621

■ 40.3716, 0.3051,
0.3454

■ 42.6286, 0.3120,
0.3304

Harmonies

Analogous

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



31.3642, 0.3762, 0.5291



31.3642, 0.2776, 0.5114



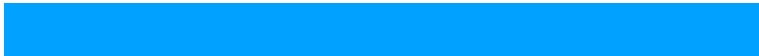
31.3642, 0.1937, 0.4022

Triad

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



31.3642, 0.2776, 0.5114



31.3642, 0.1630, 0.1771



31.3642, 0.5113, 0.3267

Complementary

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



31.3642, 0.2776, 0.5114



10.5974, 0.4406, 0.2260

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.



31.3642, 0.4317, 0.2610



31.3642, 0.2776, 0.5114



31.3642, 0.2222, 0.1794

Square

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



31.3642, 0.2776, 0.5114



31.3642, 0.1386, 0.2073



31.3642, 0.3182, 0.2089



31.3642, 0.5191, 0.3987

Rectangle

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



31.3642, 0.2776, 0.5114



31.3642, 0.1580, 0.3178



31.3642, 0.3182, 0.2089



31.3642, 0.4919, 0.3039

Sweetspot

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



31.3655, 0.2776, 0.5114



66.7347, 0.2941, 0.3738



34.0989, 0.3550, 0.5498



14.6172, 0.2920, 0.3802



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.



31.3655, 0.2776, 0.5114



55.7013, 0.2811, 0.5321



33.2774, 0.2340, 0.3571



8.9917, 0.3062, 0.3427



22.3006, 0.2797, 0.5269



0.6314, 0.2622, 0.4638

Inverse Universe

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



10.5974, 0.4406, 0.2260



18.0424, 0.4603, 0.2309



9.5799, 0.6053, 0.3200



8.0917, 0.3198, 0.3157



7.2446, 0.4554, 0.2282



0.2121, 0.4048, 0.2004

Previews

White Background



This preview shows how the Yxy color 31.3642, 0.2776, 0.5114 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 31.3642, 0.2776, 0.5114 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 31.3642, 0.2776, 0.5114

Background



This preview shows how black text looks on a background with the Yxy color 31.3642, 0.2776, 0.5114.



This preview shows how white text looks on a background with the Yxy color 31.3642, 0.2776, 0.5114.

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

31.3642, 0.2776, 0.5114

Protanopia

30.8297, 0.4041, 0.4417

Deuteranopia

30.7351, 0.4131, 0.4056



Tritanopia

31.3898, 0.2342, 0.3070

Trichromacy



Original Color

31.3642, 0.2776, 0.5114



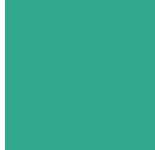
Protanomaly

29.1082, 0.3368, 0.4769



Deuteranomaly

28.2522, 0.3412, 0.4498



Tritanomaly

31.0372, 0.2483, 0.3767

Monochromacy



Original Color

31.3642, 0.2776, 0.5114



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

20.8819, 0.2858, 0.4007

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3642, 0.2776, 0.5114 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(16, 175, 81)` looks like.

```
.text, #text, p{  
    color:rgb(16, 175, 81)  
}
```

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(16, 175, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 175, 81) }
```

Border

The CSS property to change the border of an element to Yxy 31.3642, 0.2776, 0.5114 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(16, 175, 81) }
```

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

```
.border{ border-color:rgb(16, 175, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 175, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 175, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 175, 81);  
box-shadow:4px 4px 4px 4px rgb(16, 175,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3642, 0.2776, 0.5114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 175, 81) }
```

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

```
.background{ background-color: rgb(16, 175,  
81) }
```

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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