

Converting Colors

$Y_{xy}(31.1448, 0.2575, 0.4401)$

Have a look what the booklet for
Yxy(31.1448, 0.2575, 0.4401)
contains.

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Color

Yxy(31.2351, 0.2579, 0.4413)

Conversions

Conversions Part 1

Format	Color
Hex	10AD73
RGB	16, 173, 115
RGB Percent	6%, 68%, 45%
CMY	0.9367, 0.3216, 0.5490
CMYK	0.91, 0.00, 0.34, 0.32
HSL	158°, 83%, 37%
HSV	158°, 91%, 68%
XYZ	18.2541, 31.2351, 21.2905
YIQ	119.4450, -74.9540, -51.3220

Conversions

Conversions Part 2

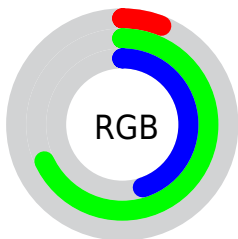
Format	Color
RYB	16, 112, 173
Decimal	1092979
CIELab	62.71, -50.77, 19.62
CIELCh	63, 54.429, 158.876
Yxy	31.2351, 0.2579, 0.4413
Android (android.graphics.Color)	4279283059 (0xFF10AD73)
YUV	119.4450, -2.1914, -90.7213
Hunter-Lab	55.8884, -39.5035, 16.5355

Details

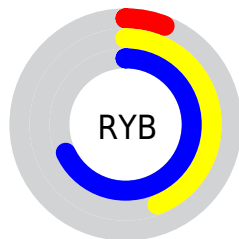
The Yxy color **31.2351, 0.2579, 0.4413** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **9.7551, 0.5210, 0.2724**, and the grayscale version is **18.6359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8704, 0.2703, 0.4170**, and **13.5870, 0.2656, 0.4760** is the 20% darker color. If you saturate the color by 10%, you get **30.9919, 0.2595, 0.4542**, and if you desaturate by 10%, it is **31.6080, 0.2576, 0.4272**.

Distribution



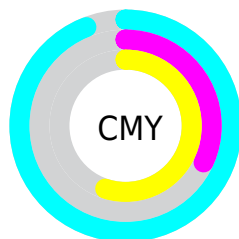
- Red (6%)
- Green (68%)
- Blue (45%)



- Red (6%)
- Yellow (44%)
- Blue (68%)



- Cyan (91%)
- Magenta (0%)
- Yellow (34%)
- Black (32%)





- Cyan (94%)
- Magenta (32%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.2351, 0.2579, 0.4413 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 31.2351, 0.2579, 0.4413 by changing the saturation by 10% instead.


 31.2351, 0.2579,
0.4413


 31.2351, 0.2579,
0.4413


307.6200, 0.2889,
0.3776


 20.7779, 0.2488,
0.4602


 61.6100, 0.2701,
0.4161

 12.9618, 0.2361,
0.4864


 82.2966, 0.2744,
0.4073


 7.4022, 0.2175,
0.5251


 107.1617, 0.2779,
0.4001

 3.7149, 0.1879,
0.5871

 136.5898, 0.2809,
0.3941

 1.5154, 0.0550,
0.8547

 170.9653, 0.2833,
0.3890

 0.2995, 0.0000,
1.0000

 210.6726, 0.2854,

 0.0000, 0.0000,

0.3847

0.0000

256.0960, 0.2873,
0.3809

■ 31.2351, 0.2579,
0.4413

■ 31.2351, 0.2579,
0.4413

■ 30.9919, 0.2595,
0.4542

■ 31.6080, 0.2576,
0.4272

■ 32.1373, 0.2593,
0.4130

■ 32.8441, 0.2630,
0.3990

■ 33.7453, 0.2684,
0.3854

■ 34.8556, 0.2753,
0.3724

■ 36.1885, 0.2834,
0.3603

■ 37.7562, 0.2924,
0.3491

■ 39.5699, 0.3020,
0.3388

■ 41.6403, 0.3120,
0.3296

Harmonies

Analogous

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



31.2351, 0.3380, 0.4889



31.2351, 0.2579, 0.4413



31.2351, 0.1973, 0.3484

Triad

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



31.2351, 0.2579, 0.4413



31.2351, 0.2051, 0.2005



31.2351, 0.4816, 0.3560

Complementary

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



31.2351, 0.2579, 0.4413



9.7551, 0.5210, 0.2724

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.



31.2351, 0.4377, 0.2961



31.2351, 0.2579, 0.4413



31.2351, 0.2681, 0.2115

Square

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



31.2351, 0.2579, 0.4413



31.2351, 0.1721, 0.2164



31.2351, 0.3543, 0.2453



31.2351, 0.4703, 0.4181

Rectangle

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



31.2351, 0.2579, 0.4413



31.2351, 0.1747, 0.2894



31.2351, 0.3543, 0.2453



31.2351, 0.4730, 0.3355

Sweetspot

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



31.2363, 0.2579, 0.4413



65.6635, 0.2862, 0.3566



31.4723, 0.3272, 0.5709



14.0806, 0.2833, 0.3604



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.2363, 0.2579, 0.4413



55.4630, 0.2602, 0.4566



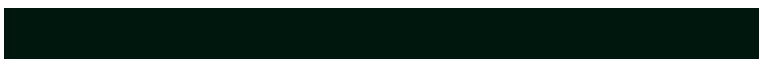
26.4713, 0.2170, 0.2957



9.0211, 0.3034, 0.3375



22.7798, 0.2591, 0.4528



0.6438, 0.2474, 0.4107

Inverse Universe

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



9.7551, 0.5210, 0.2724



16.5351, 0.5532, 0.2821



10.0916, 0.6071, 0.3420



8.0625, 0.3231, 0.3206



6.8086, 0.5461, 0.2782



0.2002, 0.4635, 0.2327

Previews

White Background



This preview shows how the Yxy color 31.2351, 0.2579, 0.4413 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 31.2351, 0.2579, 0.4413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

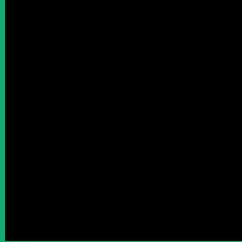
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2351, 0.2579, 0.4413

Background



This preview shows how black text looks on a background with the Yxy color 31.2351, 0.2579, 0.4413.



This preview shows how white text looks on a background with the Yxy color 31.2351, 0.2579, 0.4413.

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

31.2351, 0.2579, 0.4413

Protanopia

30.6191, 0.3712, 0.3979

Deuteranopia

30.7452, 0.3704, 0.3644



Tritanopia

31.1570, 0.2303, 0.3052

Trichromacy



Original Color

31.2351, 0.2579, 0.4413



Protanomaly

28.8728, 0.3095, 0.4172



Deuteranomaly

28.5565, 0.3078, 0.3926



Tritanomaly

30.9635, 0.2386, 0.3504

Monochromacy



Original Color

31.2351, 0.2579, 0.4413



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

21.5671, 0.2755, 0.3718

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2351, 0.2579, 0.4413 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, 173, 115)` looks like.

```
.text, #text, p{  
    color:rgb(16, 173, 115)  
}
```

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, 173, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 173, 115) }
```

Border

The CSS property to change the border of an element to Yxy 31.2351, 0.2579, 0.4413 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, 173, 115) }
```

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

```
.border{ border-color:rgb(16, 173, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 173, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 173, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 173, 115);  
box-shadow:4px 4px 4px 4px rgb(16, 173,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2351, 0.2579, 0.4413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 173, 115) }
```

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

```
.background{ background-color: rgb(16, 173,  
115) }
```

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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