

Converting Colors

$Yxy(31.2333, 0.2804, 0.4577)$

Have a look what the booklet for
Yxy(31.2333, 0.2804, 0.4577)
contains.

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Color

$\text{Yxy}(31.1951, 0.2806, 0.4576)$

Conversions

Conversions Part 1

Format	Color
Hex	40AB67
RGB	64, 171, 103
RGB Percent	25%, 67%, 40%
CMY	0.7488, 0.3294, 0.5960
CMYK	0.63, 0.00, 0.40, 0.33
HSL	142°, 45%, 46%
HSV	142°, 63%, 67%
XYZ	19.1288, 31.1951, 17.8472
YIQ	131.2550, -41.9440, -43.8320

Conversions

Conversions Part 2

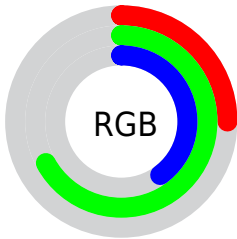
Format	Color
RYB	64, 142, 171
Decimal	4238183
CIELab	62.67, -46.09, 26.19
CIELCh	63, 53.010, 150.396
Yxy	31.1951, 0.2806, 0.4576
Android (android.graphics.Color)	4282428263 (0xFF40AB67)
YUV	131.2550, -13.9297, -58.9826
Hunter-Lab	55.8526, -36.6080, 20.1512

Details

The Yxy color **31.1951, 0.2806, 0.4576** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.9990, 0.3791, 0.2327**, and the grayscale version is **22.8617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4423, 0.2885, 0.4280**, and **13.2327, 0.2737, 0.5052** is the 20% darker color. If you saturate the color by 10%, you get **30.5034, 0.2792, 0.4820**, and if you desaturate by 10%, it is **32.0936, 0.2835, 0.4333**.

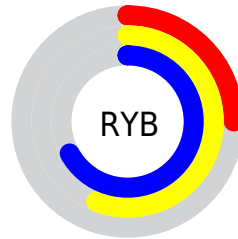
Distribution



Red (25%)

Green (67%)

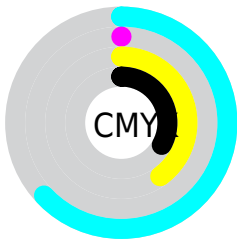
Blue (40%)



Red (25%)

Yellow (56%)

Blue (67%)

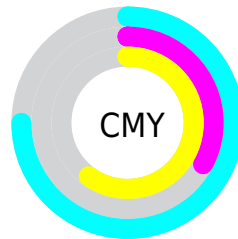


Cyan (63%)

Magenta (0%)

Yellow (40%)

Black (33%)



Cyan (75%)


Magenta (33%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1951, 0.2806, 0.4576 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 31.1951, 0.2806, 0.4576 by changing the saturation by 10% instead.


 31.1951, 0.2806,
0.4576


 31.1951, 0.2806,
0.4576


307.4361, 0.3002,
0.3844

 20.7475, 0.2742,
0.4793


 61.5471, 0.2888,
0.4286

 12.9395, 0.2648,
0.5094


 82.2203, 0.2915,
0.4185


 7.3869, 0.2500,
0.5537

 107.0707, 0.2937,
0.4102

 3.7052, 0.2245,
0.6237

 136.4828, 0.2955,
0.4033

 1.5101, 0.1212,
0.8788

 170.8411, 0.2970,
0.3975

 0.2958, 0.0000,
1.0000

210.5297, 0.2982,

 0.0000, 0.0000,

0.3925

0.0000

255.9333, 0.2993,
0.3882

■ 31.1951, 0.2806,
0.4576

■ 31.1951, 0.2806,
0.4576

■ 30.5034, 0.2792,
0.4820

■ 32.0936, 0.2835,
0.4333

■ 29.9968, 0.2796,
0.5055

■ 33.2105, 0.2877,
0.4099

■ 29.6557, 0.2817,
0.5272

■ 34.5612, 0.2929,
0.3879

■ 29.4756, 0.2839,
0.5419

■ 36.1586, 0.2987,
0.3676

■ 38.0144, 0.3048,
0.3493

■ 40.1397, 0.3111,
0.3329

■ 42.5450, 0.3174,
0.3183

■ 45.2402, 0.3236,
0.3056

■ 48.2346, 0.3295,
0.2944

Harmonies

Analogous

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



31.1951, 0.3604, 0.4856



31.1951, 0.2806, 0.4576



31.1951, 0.2139, 0.3747

Triad

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



31.1951, 0.2806, 0.4576



31.1951, 0.1953, 0.2048



31.1951, 0.4707, 0.3388

Complementary

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



31.1951, 0.2806, 0.4576



13.9990, 0.3791, 0.2327

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.



31.1951, 0.4140, 0.2817



31.1951, 0.2806, 0.4576



31.1951, 0.2490, 0.2085

Square

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



31.1951, 0.2806, 0.4576



31.1951, 0.1711, 0.2291



31.1951, 0.3284, 0.2357



31.1951, 0.4750, 0.3998

Rectangle

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



31.1951, 0.2806, 0.4576



31.1951, 0.1854, 0.3137



31.1951, 0.3284, 0.2357



31.1951, 0.4570, 0.3191

Sweetspot

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



31.1964, 0.2806, 0.4576



65.7725, 0.3006, 0.3615



34.5288, 0.3609, 0.4934



14.4704, 0.2989, 0.3668



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.



31.1964, 0.2806, 0.4576



54.2507, 0.2791, 0.4911



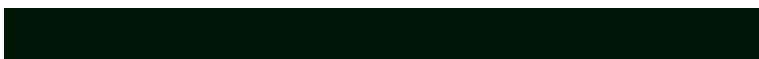
32.5820, 0.2476, 0.3570



8.9858, 0.3068, 0.3438



22.2305, 0.2834, 0.5401



0.6291, 0.2654, 0.4754

Inverse Universe

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



13.9990, 0.3791, 0.2327



20.8645, 0.4007, 0.2204



12.9124, 0.4777, 0.3072



8.0978, 0.3191, 0.3147



7.3650, 0.4372, 0.2182



0.2149, 0.3939, 0.1943

Previews

White Background



This preview shows how the Yxy color 31.1951, 0.2806, 0.4576 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 31.1951, 0.2806, 0.4576 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 31.1951, 0.2806, 0.4576

Background



This preview shows how black text looks on a background with the Yxy color 31.1951, 0.2806, 0.4576.



This preview shows how white text looks on a background with the Yxy color 31.1951, 0.2806, 0.4576.

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

31.1951, 0.2806, 0.4576

Protanopia

30.8520, 0.3814, 0.4137

Deuteranopia

30.5156, 0.3871, 0.3799



Tritanopia

30.9537, 0.2428, 0.3056

Trichromacy



Original Color

31.1951, 0.2806, 0.4576



Protanomaly

29.9248, 0.3364, 0.4314



Deuteranomaly

29.4911, 0.3391, 0.4077



Tritanomaly

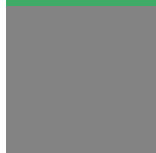
30.6999, 0.2563, 0.3573

Monochromacy



Original Color

31.1951, 0.2806, 0.4576



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

25.0640, 0.2966, 0.3755

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1951, 0.2806, 0.4576 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(64, 171, 103)` looks like.

```
.text, #text, p{  
    color:rgb(64, 171, 103)  
}
```

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(64, 171, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 171, 103) }
```

Border

The CSS property to change the border of an element to Yxy 31.1951, 0.2806, 0.4576 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(64, 171, 103) }
```

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

```
.border{ border-color:rgb(64, 171, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 171, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 171, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 171, 103);  
box-shadow:4px 4px 4px 4px rgb(64, 171,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1951, 0.2806, 0.4576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 171, 103) }
```

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

```
.background{ background-color: rgb(64, 171,  
103) }
```

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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