

Converting Colors

Yxy(31.8846, 0.3044, 0.5079)

Have a look what the booklet for
Yxy(31.8846, 0.3044, 0.5079)
contains.

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Color

Yxy(31.8910, 0.3043, 0.5077)

Conversions

Conversions Part 1

Format	Color
Hex	4BAD4B
RGB	75, 173, 75
RGB Percent	29%, 68%, 29%
CMY	0.7060, 0.3215, 0.7058
CMYK	0.57, 0.00, 0.57, 0.32
HSL	120°, 40%, 49%
HSV	120°, 57%, 68%
XYZ	19.1145, 31.8910, 11.8092
YIQ	132.5260, -26.9500, -51.2540

Conversions

Conversions Part 2

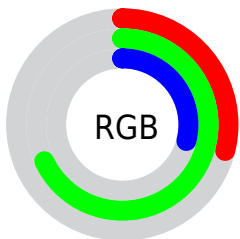
Format	Color
RYB	75, 173, 173
Decimal	4959563
CIELab	63.25, -48.67, 41.26
CIELCh	63, 63.806, 139.706
Yxy	31.8910, 0.3043, 0.5077
Android (android.graphics.Color)	4283149643 (0xFF4BAD4B)
YUV	132.5260, -28.3603, -50.4503
Hunter-Lab	56.4721, -38.4081, 27.1321

Details

The Yxy color **31.8910, 0.3043, 0.5077** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **16.9291, 0.3189, 0.1979**, and the grayscale version is **23.3858, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4505, 0.3097, 0.4683**, and **13.4989, 0.2930, 0.5747** is the 20% darker color. If you saturate the color by 10%, you get **31.0817, 0.3028, 0.5400**, and if you desaturate by 10%, it is **32.9570, 0.3059, 0.4727**.

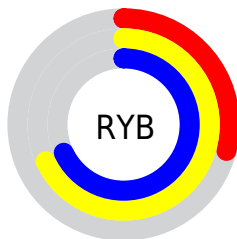
Distribution



Red (29%)

Green (68%)

Blue (29%)



Red (29%)

Yellow (68%)

Blue (68%)

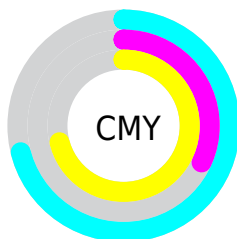


Cyan (57%)

Magenta (0%)

Yellow (57%)

Black (32%)



Cyan (71%)


Magenta (32%)


Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.8910, 0.3043, 0.5077 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 31.8910, 0.3043, 0.5077 by changing the saturation by 10% instead.


 31.8910, 0.3043,
0.5077


 31.8910, 0.3043,
0.5077


310.6224, 0.3139,
0.4062


 21.2783, 0.2992,
0.5369


 62.6402, 0.3095,
0.4679

 13.3276, 0.2906,
0.5765


 83.5454, 0.3109,
0.4538


 7.6545, 0.2749,
0.6317


 108.6502, 0.3119,
0.4422

 3.8747, 0.2557,
0.7443

 138.3391, 0.3126,
0.4326

 1.6037, 0.1140,
0.8860

 172.9963, 0.3131,
0.4245

 0.3601, 0.0000,
1.0000

213.0064, 0.3134,

 0.0000, 0.0000,

0.4175

0.0000

258.7536, 0.3137,
0.4115

■ 31.8910, 0.3043,
0.5077

■ 31.8910, 0.3043,
0.5077

■ 31.0817, 0.3028,
0.5400

■ 32.9570, 0.3059,
0.4727

■ 30.5040, 0.3015,
0.5669

■ 34.2943, 0.3076,
0.4374

■ 30.1346, 0.3006,
0.5862

■ 35.9215, 0.3092,
0.4038

■ 29.9392, 0.3001,
0.5971

■ 37.8540, 0.3106,
0.3730

■ 29.8892, 0.3000,
0.6000

■ 40.1063, 0.3119,
0.3455

■ 42.6921, 0.3131,
0.3213

■ 45.6242, 0.3141,
0.3004

■ 48.9145, 0.3149,
0.2824

■ 52.5748, 0.3157,
0.2669

Harmonies

Analogous

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



31.8910, 0.3962, 0.5067



31.8910, 0.3043, 0.5077



31.8910, 0.2195, 0.4246

Triad

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



31.8910, 0.3043, 0.5077



31.8910, 0.1637, 0.1907



31.8910, 0.4834, 0.3128

Complementary

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



31.8910, 0.3043, 0.5077



16.9291, 0.3189, 0.1979

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.



31.8910, 0.3980, 0.2524



31.8910, 0.3043, 0.5077



31.8910, 0.2118, 0.1855

Square

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



31.8910, 0.3043, 0.5077



31.8910, 0.1481, 0.2293



31.8910, 0.2940, 0.2074



31.8910, 0.5091, 0.3804

Rectangle

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



31.8910, 0.3043, 0.5077



31.8910, 0.1791, 0.3469



31.8910, 0.2940, 0.2074



31.8910, 0.4601, 0.2916

Sweetspot

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



31.8923, 0.3043, 0.5077



67.5540, 0.3106, 0.3749



39.2815, 0.3926, 0.4610



14.5285, 0.3103, 0.3806



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.



31.8923, 0.3043, 0.5077



55.3633, 0.3024, 0.5474



32.8390, 0.2733, 0.4178



8.9394, 0.3116, 0.3524



21.9568, 0.3000, 0.6000



0.6108, 0.2999, 0.5998

Inverse Universe

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



16.9291, 0.3189, 0.1979



25.9205, 0.3199, 0.1777



15.3688, 0.3927, 0.2581



8.1480, 0.3138, 0.3067



8.7408, 0.3210, 0.1542



0.2432, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 31.8910, 0.3043, 0.5077 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 31.8910, 0.3043, 0.5077 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 31.8910, 0.3043, 0.5077

Background



This preview shows how black text looks on a background with the Yxy color 31.8910, 0.3043, 0.5077.



This preview shows how white text looks on a background with the Yxy color 31.8910, 0.3043, 0.5077.

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

31.8910, 0.3043, 0.5077

Protanopia

31.3212, 0.4086, 0.4465

Deuteranopia

31.3144, 0.4213, 0.4131



Tritanopia

31.9256, 0.2503, 0.3077

Trichromacy



Original Color

31.8910, 0.3043, 0.5077

Protanomaly

30.7474, 0.3641, 0.4724

Deuteranomaly

30.1329, 0.3721, 0.4481

Tritanomaly

31.6752, 0.2711, 0.3784

Monochromacy



Original Color

31.8910, 0.3043, 0.5077

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

25.7944, 0.3096, 0.3954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8910, 0.3043, 0.5077 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(75, 173, 75)` looks like.

```
.text, #text, p{  
    color:rgb(75, 173, 75)  
}
```

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(75, 173, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 173, 75) }
```

Border

The CSS property to change the border of an element to Yxy 31.8910, 0.3043, 0.5077 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(75, 173, 75) }
```

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

```
.border{ border-color:rgb(75, 173, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 173, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 173, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 173, 75);  
box-shadow:4px 4px 4px 4px rgb(75, 173,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8910, 0.3043, 0.5077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 173, 75) }
```

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

```
.background{ background-color: rgb(75, 173,  
75) }
```

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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