

Converting Colors

$Yxy(31.1132, 0.3221, 0.5406)$

Have a look what the booklet for
Yxy(31.1132, 0.3221, 0.5406)
contains.

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Color

Yxy(31.0969, 0.3217, 0.5404)

Conversions

Conversions Part 1

Format	Color
Hex	51AB31
RGB	81, 171, 49
RGB Percent	32%, 67%, 19%
CMY	0.6823, 0.3294, 0.8077
CMYK	0.53, 0.00, 0.71, 0.33
HSL	104°, 55%, 43%
HSV	104°, 71%, 67%
XYZ	18.5120, 31.0969, 7.9353
YIQ	130.1820, -14.4780, -57.0220

Conversions

Conversions Part 2

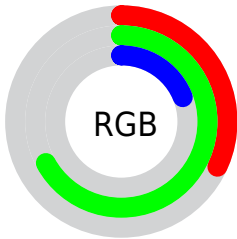
Format	Color
RYB	49, 171, 139
Decimal	5352241
CIELab	62.59, -48.92, 51.96
CIELCh	63, 71.363, 133.274
Yxy	31.0969, 0.3217, 0.5404
Android (android.graphics.Color)	4283542321 (0xFF51AB31)
YUV	130.1820, -40.0227, -43.1326
Hunter-Lab	55.7646, -38.3320, 30.5982

Details

The Yxy color **31.0969, 0.3217, 0.5404** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **10.6301, 0.2756, 0.1534**, and the grayscale version is **22.5423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3008, 0.3256, 0.4947**, and **12.9956, 0.3018, 0.5985** is the 20% darker color. If you saturate the color by 10%, you get **30.4735, 0.3189, 0.5639**, and if you desaturate by 10%, it is **31.8813, 0.3232, 0.5119**.

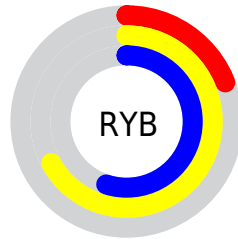
Distribution



Red (32%)

Green (67%)

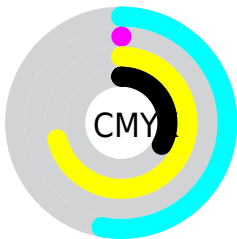
Blue (19%)



Red (19%)

Yellow (67%)

Blue (55%)

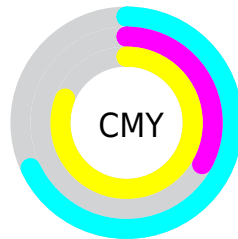


Cyan (53%)

Magenta (0%)

Yellow (71%)

Black (33%)



Cyan (68%)


Magenta (33%)

Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0969, 0.3217, 0.5404 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 31.0969, 0.3217, 0.5404 by changing the saturation by 10% instead.


 31.0969, 0.3217,
0.5404


 31.0969, 0.3217,
0.5404


306.9845, 0.3248,
0.4212

 20.6726, 0.3167,
0.5733


 61.3926, 0.3255,
0.4943


 12.8849, 0.3070,
0.6162

 82.0328, 0.3261,
0.4778


 7.3494, 0.2915,
0.6811


 106.8472, 0.3262,
0.4641

 3.6815, 0.2506,
0.7494

 136.2200, 0.3261,
0.4527

 1.4971, 0.0802,
0.9198

 170.5358, 0.3259,
0.4430

 0.2867, 0.0000,
1.0000

 210.1789, 0.3255,

 0.0000, 0.0000,

0.4347

0.0000

255.5336, 0.3252,
0.4275

■ 31.0969, 0.3217,
0.5404

■ 31.0969, 0.3217,
0.5404

■ 30.4735, 0.3189,
0.5639

■ 31.8813, 0.3232,
0.5119

■ 29.9947, 0.3150,
0.5808

■ 32.8337, 0.3235,
0.4804

■ 29.6805, 0.3114,
0.5910

■ 33.9650, 0.3226,
0.4478

■ 35.2844, 0.3209,
0.4158

■ 36.8002, 0.3186,
0.3855

■ 38.5203, 0.3160,
0.3575

■ 40.4520, 0.3131,
0.3322

■ 42.6025, 0.3102,
0.3096

■ 44.9783, 0.3073,
0.2896

Harmonies

Analogous

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



31.0969, 0.4211, 0.5141



31.0969, 0.3217, 0.5404



31.0969, 0.2250, 0.4655

Triad

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



31.0969, 0.3217, 0.5404



31.0969, 0.1434, 0.1820



31.0969, 0.4888, 0.2939

Complementary

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



31.0969, 0.3217, 0.5404



10.6301, 0.2756, 0.1534

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.



31.0969, 0.3825, 0.2319



31.0969, 0.3217, 0.5404



31.0969, 0.1868, 0.1706

Square

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



31.0969, 0.3217, 0.5404



31.0969, 0.1335, 0.2314



31.0969, 0.2684, 0.1884



31.0969, 0.5318, 0.3646

Rectangle

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



31.0969, 0.3217, 0.5404



31.0969, 0.1761, 0.3762



31.0969, 0.2684, 0.1884



31.0969, 0.4581, 0.2718

Sweetspot

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



31.0982, 0.3217, 0.5404



65.8935, 0.3187, 0.3856



27.1939, 0.4384, 0.4498



14.5249, 0.3193, 0.3935



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.



31.0982, 0.3217, 0.5404



54.0154, 0.3166, 0.5752



30.3228, 0.2885, 0.5090



9.0371, 0.3154, 0.3522



22.3968, 0.3120, 0.5905



0.6496, 0.3352, 0.5720

Inverse Universe

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



10.6301, 0.2756, 0.1534



14.9994, 0.2643, 0.1294



12.8266, 0.3638, 0.2045



8.0408, 0.3097, 0.3064



5.5960, 0.2564, 0.1186



0.1802, 0.2770, 0.1299

Previews

White Background



This preview shows how the Yxy color 31.0969, 0.3217, 0.5404 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 31.0969, 0.3217, 0.5404 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 31.0969, 0.3217, 0.5404

Background



This preview shows how black text looks on a background with the Yxy color 31.0969, 0.3217, 0.5404.



This preview shows how white text looks on a background with the Yxy color 31.0969, 0.3217, 0.5404.

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

31.0969, 0.3217, 0.5404

Protanopia

30.7501, 0.4258, 0.4696

Deuteranopia

30.5255, 0.4442, 0.4359



Tritanopia

31.0632, 0.2561, 0.3092

Trichromacy



Original Color

31.0969, 0.3217, 0.5404

Protanomaly

29.9693, 0.3829, 0.4982

Deuteranomaly

29.3542, 0.3941, 0.4762

Tritanomaly

30.5700, 0.2836, 0.3954

Monochromacy



Original Color

31.0969, 0.3217, 0.5404

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

24.6351, 0.3201, 0.4116

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0969, 0.3217, 0.5404 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(81, 171, 49)` looks like.

```
.text, #text, p{  
    color:rgb(81, 171, 49)  
}
```

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(81, 171, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 171, 49) }
```

Border

The CSS property to change the border of an element to Yxy 31.0969, 0.3217, 0.5404 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(81, 171, 49) }
```

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

```
.border{ border-color:rgb(81, 171, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 171, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 171, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 171, 49);  
box-shadow:4px 4px 4px 4px rgb(81, 171,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0969, 0.3217, 0.5404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 171, 49) }
```

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

```
.background{ background-color: rgb(81, 171,  
49) }
```

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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