

Converting Colors

Yxy(31.4678, 0.3085, 0.5933)

Have a look what the booklet for
Yxy(31.4678, 0.3085, 0.5933)
contains.

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Color

Yxy(31.4820, 0.3084, 0.5933)

Conversions

Conversions Part 1

Format	Color
Hex	27B000
RGB	39, 176, 0
RGB Percent	15%, 69%, 0%
CMY	0.8468, 0.3098, 0.9997
CMYK	0.78, 0.00, 1.00, 0.31
HSL	107°, 100%, 35%
HSV	107°, 100%, 69%
XYZ	16.3645, 31.4820, 5.2160
YIQ	114.9730, -25.1560, -83.7800

Conversions

Conversions Part 2

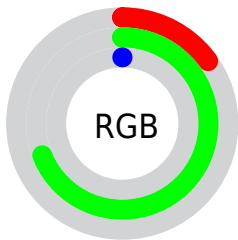
Format	Color
RYB	0, 176, 137
Decimal	2600960
CIELab	62.91, -61.98, 63.42
CIELCh	63, 88.678, 134.343
Yxy	31.4820, 0.3084, 0.5933
Android (android.graphics.Color)	4280791040 (0xFF27B000)
YUV	114.9730, -56.6817, -66.6283
Hunter-Lab	56.1088, -46.1298, 33.7644

Details

The Yxy color **31.4820, 0.3084, 0.5933** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **8.4552, 0.2656, 0.1237**, and the grayscale version is **17.3270, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1008, 0.3186, 0.5370**, and **13.9191, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **31.4819, 0.3084, 0.5933**, and if you desaturate by 10%, it is **31.8438, 0.3122, 0.5818**.

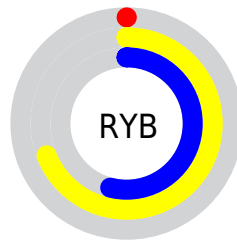
Distribution



Red (15%)

Green (69%)

Blue (0%)



Red (0%)

Yellow (69%)

Blue (54%)

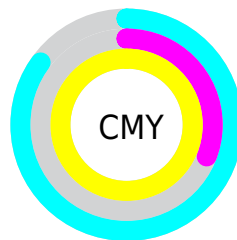


Cyan (78%)

Magenta (0%)

Yellow (100%)

Black (31%)



Cyan (85%)


Magenta (31%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4820, 0.3084, 0.5933 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 31.4820, 0.3084, 0.5933 by changing the saturation by 10% instead.

 31.4820, 0.3084,
0.5933


 31.4820, 0.3084,
0.5933


308.7528, 0.3236,
0.4446

 20.9662, 0.2978,
0.6324


 61.9981, 0.3184,
0.5367


 13.0993, 0.2799,
0.6817


 82.7672, 0.3207,
0.5161


 7.4969, 0.2506,
0.7494


 107.7228, 0.3221,
0.4989

 3.7748, 0.1924,
0.8076

 137.2494, 0.3229,
0.4845

 1.5484, 0.0000,
1.0000

 171.7313, 0.3234,
0.4723


 0.3224, 0.0000,
1.0000


 211.5529, 0.3236,


 0.0000, 0.0000,

0.4617


0.0000


 257.0986, 0.3237,
0.4526


 31.4820, 0.3084,
0.5933


 31.4820, 0.3084,
0.5933


 31.4819, 0.3084,
0.5933

 31.8438, 0.3122,
0.5818

 32.3481, 0.3157,
0.5639

 33.0193, 0.3184,
0.5395

 33.8715, 0.3200,
0.5100

 34.9175, 0.3204,
0.4777

■ 36.1687, 0.3200,
0.4445

■ 37.6357, 0.3188,
0.4122

■ 39.3281, 0.3170,
0.3818

■ 41.2553, 0.3150,
0.3539

Harmonies

Analogous

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



31.4820, 0.4245, 0.5457



31.4820, 0.3084, 0.5933



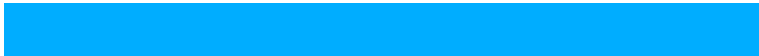
31.4820, 0.1988, 0.4978

Triad

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



31.4820, 0.3084, 0.5933



31.4820, 0.1182, 0.1548



31.4820, 0.5322, 0.2849

Complementary

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



31.4820, 0.3084, 0.5933



8.4552, 0.2656, 0.1237

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.



31.4820, 0.4018, 0.2159



31.4820, 0.3084, 0.5933



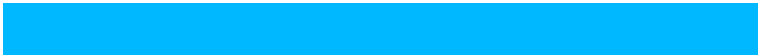
31.4820, 0.1668, 0.1455

Square

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



31.4820, 0.3084, 0.5933



31.4820, 0.1051, 0.2054



31.4820, 0.2617, 0.1666



31.4820, 0.5745, 0.3619

Rectangle

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



31.4820, 0.3084, 0.5933



31.4820, 0.1457, 0.3783



31.4820, 0.2617, 0.1666



31.4820, 0.4955, 0.2607

Sweetspot

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



31.4833, 0.3084, 0.5933



68.0964, 0.3189, 0.4140



26.5448, 0.4674, 0.4671



14.5121, 0.3194, 0.4272



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.



31.4833, 0.3084, 0.5933



57.0162, 0.3075, 0.5940



31.2560, 0.2907, 0.5665



9.5779, 0.3148, 0.3523



23.1211, 0.3089, 0.5929



0.7533, 0.3288, 0.5771

Inverse Universe

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



8.4552, 0.2656, 0.1237



15.2247, 0.2646, 0.1231



10.8191, 0.4019, 0.1988



8.5498, 0.3103, 0.3063



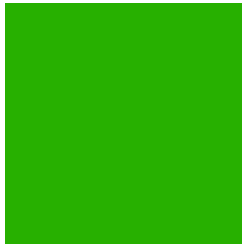
6.2280, 0.2662, 0.1240



0.2195, 0.2823, 0.1329

Previews

White Background



This preview shows how the Yxy color 31.4820, 0.3084, 0.5933 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 31.4820, 0.3084, 0.5933 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 31.4820, 0.3084, 0.5933

Background



This preview shows how black text looks on a background with the Yxy color 31.4820, 0.3084, 0.5933.



This preview shows how white text looks on a background with the Yxy color 31.4820, 0.3084, 0.5933.

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

31.4820, 0.3084, 0.5933

Protanopia

30.6793, 0.4403, 0.4886

Deuteranopia

30.7320, 0.4602, 0.4503



Tritanopia

31.5191, 0.2407, 0.3072

Trichromacy



Original Color

31.4820, 0.3084, 0.5933



Protanomaly

29.2792, 0.3783, 0.5378



Deuteranomaly

28.6595, 0.3922, 0.5138



Tritanomaly

30.3558, 0.2745, 0.4333

Monochromacy



Original Color

31.4820, 0.3084, 0.5933



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

20.3986, 0.3201, 0.4639

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4820, 0.3084, 0.5933 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(39, 176, 0)` looks like.

```
.text, #text, p{  
    color:rgb(39, 176, 0)  
}
```

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(39, 176, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 176, 0) }
```

Border

The CSS property to change the border of an element to Yxy 31.4820, 0.3084, 0.5933 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(39, 176, 0) }
```

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

```
.border{ border-color:rgb(39, 176, 0) }
```

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

Here you see how a box with a 4 pixel rgb(39, 176, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 176, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 176, 0);  
box-shadow:4px 4px 4px 4px rgb(39, 176, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 31.4820, 0.3084, 0.5933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 176, 0) }
```

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

```
.background{ background-color: rgb(39, 176,  
0) }
```

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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