

Converting Colors

$Yxy(31.1746, 0.3028, 0.5977)$

Have a look what the booklet for
Yxy(31.1746, 0.3028, 0.5977)
contains.

Yxy(31.1891, 0.3027, 0.5978)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.1891, 0.3027, 0.5978)

Conversions

Conversions Part 1

Format	Color
Hex	13B000
RGB	19, 176, 0
RGB Percent	7%, 69%, 0%
CMY	0.9259, 0.3098, 0.9995
CMYK	0.89, 0.00, 1.00, 0.31
HSL	114°, 100%, 35%
HSV	114°, 100%, 69%
XYZ	15.7928, 31.1891, 5.1912
YIQ	108.9930, -37.0760, -88.0200

Conversions

Conversions Part 2

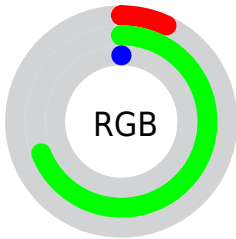
Format	Color
RYB	0, 176, 157
Decimal	1290240
CIELab	62.67, -64.20, 63.11
CIELCh	63, 90.027, 135.491
Yxy	31.1891, 0.3027, 0.5978
Android (android.graphics.Color)	4279480320 (0xFF13B000)
YUV	108.9930, -53.7335, -78.9239
Hunter-Lab	55.8472, -47.2553, 33.5818

Details

The Yxy color **31.1891, 0.3027, 0.5978** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **10.3316, 0.2943, 0.1395**, and the grayscale version is **15.4497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5525, 0.3139, 0.5400**, and **13.9191, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **31.1889, 0.3027, 0.5979**, and if you desaturate by 10%, it is **31.4462, 0.3048, 0.5874**.

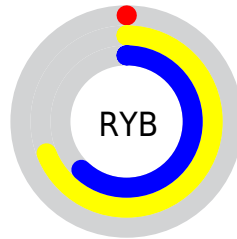
Distribution



Red (7%)

Green (69%)

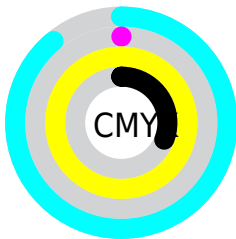
Blue (0%)



Red (0%)

Yellow (69%)

Blue (62%)

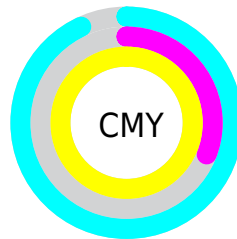


Cyan (89%)

Magenta (0%)

Yellow (100%)

Black (31%)



Cyan (93%)


Magenta (31%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.1891, 0.3027, 0.5978 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 31.1891, 0.3027, 0.5978 by changing the saturation by 10% instead.


 31.1891, 0.3027,
0.5978


 31.1891, 0.3027,
0.5978


307.4086, 0.3211,
0.4459


 20.7429, 0.2912,
0.6381


 61.5377, 0.3140,
0.5397


 12.9362, 0.2720,
0.6891


 82.2088, 0.3167,
0.5186

 7.3846, 0.2411,
0.7589


 107.0571, 0.3185,
0.5011

 3.7038, 0.1809,
0.8191

 136.4668, 0.3196,
0.4864

 1.5093, 0.0000,
1.0000

 170.8224, 0.3203,
0.4739


 0.2952, 0.0000,
1.0000

 210.5083, 0.3208,


 0.0000, 0.0000,


0.4632


0.0000


 255.9089, 0.3210,
0.4540


 31.1891, 0.3027,
0.5978


 31.1891, 0.3027,
0.5978


 31.1889, 0.3027,
0.5979

 31.4462, 0.3048,
0.5874

 31.8628, 0.3071,
0.5701

 32.4696, 0.3093,
0.5453

 33.2860, 0.3111,
0.5149

 34.3291, 0.3124,
0.4813

■ 35.6142, 0.3131,
0.4469

■ 37.1552, 0.3135,
0.4135

■ 38.9650, 0.3135,
0.3823

■ 41.0556, 0.3132,
0.3540

Harmonies

Analogous

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



31.1891, 0.4204, 0.5515



31.1891, 0.3027, 0.5978



31.1891, 0.1929, 0.4949

Triad

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



31.1891, 0.3027, 0.5978



31.1891, 0.1172, 0.1515



31.1891, 0.5396, 0.2866

Complementary

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



31.1891, 0.3027, 0.5978



10.3316, 0.2943, 0.1395

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.



31.1891, 0.4091, 0.2167



31.1891, 0.3027, 0.5978



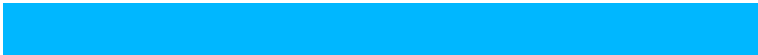
31.1891, 0.1676, 0.1435

Square

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



31.1891, 0.3027, 0.5978



31.1891, 0.1026, 0.2002



31.1891, 0.2654, 0.1660



31.1891, 0.5778, 0.3643

Rectangle

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



31.1891, 0.3027, 0.5978



31.1891, 0.1408, 0.3720



31.1891, 0.2654, 0.1660



31.1891, 0.5035, 0.2621

Sweetspot

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



31.1904, 0.3027, 0.5978



67.2004, 0.3135, 0.4154



32.8363, 0.4413, 0.4878



14.3046, 0.3134, 0.4290



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.



31.1904, 0.3027, 0.5978



56.5157, 0.3022, 0.5983



31.4656, 0.2825, 0.5368



9.5320, 0.3132, 0.3524



22.8954, 0.3030, 0.5976



0.7344, 0.3145, 0.5885

Inverse Universe

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



10.3316, 0.2943, 0.1395



18.6688, 0.2938, 0.1392



10.3291, 0.4466, 0.2234



8.5998, 0.3121, 0.3064



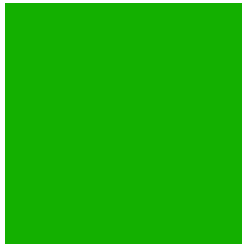
7.5920, 0.2946, 0.1396



0.2520, 0.3024, 0.1440

Previews

White Background



This preview shows how the Yxy color 31.1891, 0.3027, 0.5978 looks on a white background.

Color Contrast Check

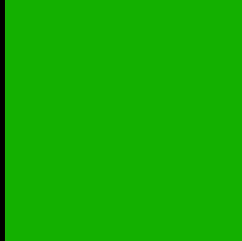
Large Text (above 18pt) WCAG AA × Fail

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 31.1891, 0.3027, 0.5978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

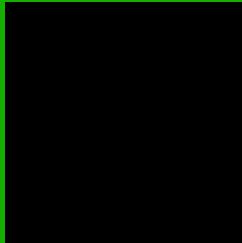
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1891, 0.3027, 0.5978

Background



This preview shows how black text looks on a background with the Yxy color 31.1891, 0.3027, 0.5978.



This preview shows how white text looks on a background with the Yxy color 31.1891, 0.3027, 0.5978.

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

31.1891, 0.3027, 0.5978

Protanopia

30.6793, 0.4403, 0.4886

Deuteranopia

30.6037, 0.4592, 0.4510



Tritanopia

31.2617, 0.2376, 0.3071

Trichromacy



Original Color

31.1891, 0.3027, 0.5978



Protanomaly

28.7864, 0.3709, 0.5437



Deuteranomaly

28.0207, 0.3833, 0.5204



Tritanomaly

30.0097, 0.2689, 0.4349

Monochromacy



Original Color

31.1891, 0.3027, 0.5978



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

18.7412, 0.3128, 0.4712

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1891, 0.3027, 0.5978 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(19, 176, 0)` looks like.

```
.text, #text, p{  
    color:rgb(19, 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(19, 176, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 176, 0) }
```

Border

The CSS property to change the border of an element to Yxy 31.1891, 0.3027, 0.5978 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(19, 176, 0) }
```

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

```
.border{ border-color:rgb(19, 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(19, 176, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 176, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 176, 0);  
box-shadow:4px 4px 4px 4px rgb(19, 176, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 31.1891, 0.3027, 0.5978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 176, 0) }
```

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

```
.background{ background-color: rgb(19, 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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