

Converting Colors

$Y_{xy}(31.4400, 0.3010, 0.5794)$

Have a look what the booklet for
Yxy(31.4400, 0.3010, 0.5794)
contains.

Yxy(31.4409, 0.3010, 0.5792)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.4409, 0.3010, 0.5792)

Conversions

Conversions Part 1

Format	Color
Hex	1FB01F
RGB	31, 176, 31
RGB Percent	12%, 69%, 12%
CMY	0.8781, 0.3098, 0.8784
CMYK	0.82, 0.00, 0.82, 0.31
HSL	120°, 70%, 41%
HSV	120°, 82%, 69%
XYZ	16.3393, 31.4409, 6.5031
YIQ	116.1150, -39.8750, -75.8350

Conversions

Conversions Part 2

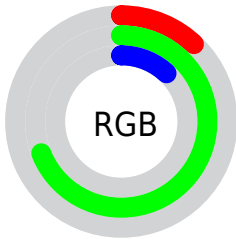
Format	Color
RYB	31, 176, 176
Decimal	2076703
CIELab	62.88, -61.98, 57.82
CIELCh	63, 84.759, 136.988
Yxy	31.4409, 0.3010, 0.5792
Android (android.graphics.Color)	4280266783 (0xFF1FB01F)
YUV	116.1150, -41.9617, -74.6459
Hunter-Lab	56.0722, -46.1119, 32.3742

Details

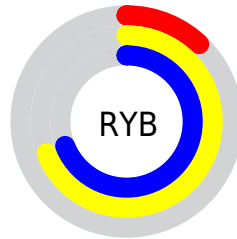
The Yxy color **31.4409, 0.3010, 0.5792** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **13.3355, 0.3204, 0.1630**, and the grayscale version is **17.6498, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0024, 0.3109, 0.5243**, and **13.9191, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **31.1702, 0.3003, 0.5935**, and if you desaturate by 10%, it is **31.9139, 0.3021, 0.5565**.

Distribution



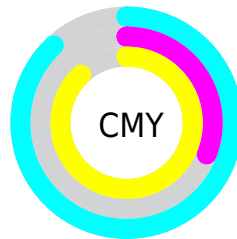
- Red (12%)
- Green (69%)
- Blue (12%)



- Red (12%)
- Yellow (69%)
- Blue (69%)



- Cyan (82%)
- Magenta (0%)
- Yellow (82%)
- Black (31%)





- Cyan (88%)
- Magenta (31%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4409, 0.3010, 0.5792 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 31.4409, 0.3010, 0.5792 by changing the saturation by 10% instead.

 31.4409, 0.3010,
0.5792


 31.4409, 0.3010,
0.5792


308.5644, 0.3181,
0.4370

 20.9348, 0.2910,
0.6181


 61.9336, 0.3110,
0.5243

 13.0764, 0.2741,
0.6679


 82.6889, 0.3135,
0.5045


 7.4811, 0.2505,
0.7495


 107.6295, 0.3152,
0.4882

 3.7648, 0.1921,
0.8079

 137.1397, 0.3163,
0.4745

 1.5429, 0.0000,
1.0000

 171.6039, 0.3170,
0.4630

 0.3186, 0.0000,
1.0000

 211.4065, 0.3175,

 0.0000, 0.0000,

0.4531

0.0000

256.9319, 0.3178,
0.4445

■ 31.4409, 0.3010,
0.5792

■ 31.4409, 0.3010,
0.5792

■ 31.1702, 0.3003,
0.5935

■ 31.9139, 0.3021,
0.5565

■ 31.0514, 0.3000,
0.6000

■ 32.6137, 0.3035,
0.5270

■ 33.5655, 0.3050,
0.4932

■ 34.7902, 0.3067,
0.4578

■ 36.3066, 0.3083,
0.4230

■ 38.1316, 0.3099,
0.3904

■ 40.2810, 0.3112,
0.3609

■ 42.7696, 0.3124,
0.3347

■ 45.6110, 0.3135,
0.3120

Harmonies

Analogous

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



31.4409, 0.4141, 0.5467



31.4409, 0.3010, 0.5792



31.4409, 0.1960, 0.4752

Triad

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



31.4409, 0.3010, 0.5792



31.4409, 0.1265, 0.1582



31.4409, 0.5308, 0.2940

Complementary

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



31.4409, 0.3010, 0.5792



13.3355, 0.3204, 0.1630

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.



31.4409, 0.4111, 0.2253



31.4409, 0.3010, 0.5792



31.4409, 0.1778, 0.1515

Square

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



31.4409, 0.3010, 0.5792



31.4409, 0.1108, 0.2040



31.4409, 0.2745, 0.1748



31.4409, 0.5643, 0.3706

Rectangle

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



31.4409, 0.3010, 0.5792



31.4409, 0.1467, 0.3622



31.4409, 0.2745, 0.1748



31.4409, 0.4981, 0.2699

Sweetspot

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



31.4422, 0.3010, 0.5792



68.0874, 0.3094, 0.4000



39.4406, 0.4161, 0.4942



14.5090, 0.3089, 0.4112



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.



31.4422, 0.3010, 0.5792



56.3364, 0.3000, 0.5994



32.2833, 0.2700, 0.4725



9.4903, 0.3116, 0.3525



22.7830, 0.3000, 0.6000



0.7169, 0.3001, 0.5999

Inverse Universe

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



13.3355, 0.3204, 0.1630



22.4553, 0.3208, 0.1543



11.2488, 0.4474, 0.2398



8.6465, 0.3138, 0.3066



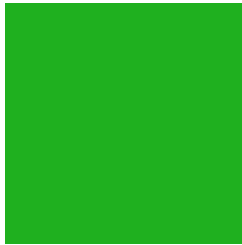
9.0642, 0.3208, 0.1541



0.2853, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 31.4409, 0.3010, 0.5792 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 31.4409, 0.3010, 0.5792 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 31.4409, 0.3010, 0.5792

Background



This preview shows how black text looks on a background with the Yxy color 31.4409, 0.3010, 0.5792.



This preview shows how white text looks on a background with the Yxy color 31.4409, 0.3010, 0.5792.

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

31.4409, 0.3010, 0.5792

Protanopia

30.7452, 0.4353, 0.4812

Deuteranopia

30.6771, 0.4537, 0.4440



Tritanopia

31.3449, 0.2386, 0.3071

Trichromacy



Original Color

31.4409, 0.3010, 0.5792



Protanomaly

29.1427, 0.3698, 0.5288



Deuteranomaly

28.5154, 0.3818, 0.5027



Tritanomaly

30.4526, 0.2646, 0.4119

Monochromacy



Original Color

31.4409, 0.3010, 0.5792



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

20.7641, 0.3075, 0.4411

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4409, 0.3010, 0.5792 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(31, 176, 31)` looks like.

```
.text, #text, p{  
    color:rgb(31, 176, 31)  
}
```

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(31, 176, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 176, 31) }
```

Border

The CSS property to change the border of an element to Yxy 31.4409, 0.3010, 0.5792 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(31, 176, 31) }
```

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

```
.border{ border-color:rgb(31, 176, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 176, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 176, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 176, 31);  
box-shadow:4px 4px 4px 4px rgb(31, 176,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4409, 0.3010, 0.5792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 176, 31) }
```

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

```
.background{ background-color: rgb(31, 176,  
31) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor