

Converting Colors

$Y_{xy}(30.9801, 0.2988, 0.5955)$

Have a look what the booklet for
Yxy(30.9801, 0.2988, 0.5955)
contains.

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Color

Yxy(31.0772, 0.2987, 0.5954)

Conversions

Conversions Part 1

Format	Color
Hex	00B00C
RGB	0, 176, 12
RGB Percent	0%, 69%, 5%
CMY	1.0000, 0.3098, 0.9525
CMYK	1.00, 0.00, 0.93, 0.31
HSL	124°, 100%, 35%
HSV	124°, 100%, 69%
XYZ	15.5908, 31.0772, 5.5275
YIQ	104.6800, -52.2520, -88.3160

Conversions

Conversions Part 2

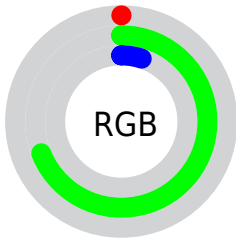
Format	Color
RYB	0, 165, 176
Decimal	45068
CIELab	62.57, -64.97, 61.42
CIELCh	63, 89.405, 136.612
Yxy	31.0772, 0.2987, 0.5954
Android (android.graphics.Color)	4278235148 (0xFF00B00C)
YUV	104.6800, -45.6912, -91.8044
Hunter-Lab	55.7469, -47.6359, 33.1440

Details

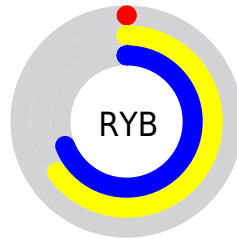
The Yxy color **31.0772, 0.2987, 0.5954** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **11.9074, 0.3389, 0.1641**, and the grayscale version is **14.1761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3837, 0.3106, 0.5373**, and **13.9191, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **31.0794, 0.2987, 0.5954**, and if you desaturate by 10%, it is **31.2636, 0.2984, 0.5836**.

Distribution



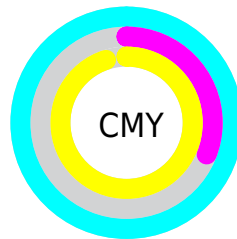
- Red (0%)
- Green (69%)
- Blue (5%)



- Red (0%)
- Yellow (65%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (93%)
- Black (31%)




- Cyan (100%)
- Magenta (31%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0772, 0.2987, 0.5954 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 31.0772, 0.2987, 0.5954 by changing the saturation by 10% instead.

 31.0772, 0.2987,
0.5954


 31.0772, 0.2987,
0.5954

306.8938, 0.3187,
0.4441

 20.6576, 0.2871,
0.6361


 61.3616, 0.3104,
0.5373


 12.8740, 0.2677,
0.6876

 81.9952, 0.3133,
0.5162

 7.3418, 0.2377,
0.7623


 106.8023, 0.3153,
0.4988

 3.6768, 0.1767,
0.8233

 136.1673, 0.3166,
0.4842

 1.4945, 0.0000,
1.0000

 170.4745, 0.3175,
0.4718

 0.2848, 0.0000,
1.0000

 210.1084, 0.3181,

 0.0000, 0.0000,

0.4613

0.0000

255.4534, 0.3184,
0.4521

■ 31.0772, 0.2987,
0.5954

■ 31.0772, 0.2987,
0.5954

■ 31.0794, 0.2987,
0.5954

■ 31.2636, 0.2984,
0.5836

■ 31.6020, 0.2982,
0.5644

■ 32.1440, 0.2987,
0.5385

■ 32.9150, 0.2999,
0.5077

■ 33.9366, 0.3016,
0.4745

■ 35.2280, 0.3037,
0.4410

■ 36.8066, 0.3060,
0.4088

■ 38.6882, 0.3083,
0.3792

■ 40.8874, 0.3106,
0.3525

Harmonies

Analogous

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



31.0772, 0.4161, 0.5540



31.0772, 0.2987, 0.5954



31.0772, 0.1901, 0.4873

Triad

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



31.0772, 0.2987, 0.5954



31.0772, 0.1191, 0.1513



31.0772, 0.5417, 0.2898

Complementary

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



31.0772, 0.2987, 0.5954



11.9074, 0.3389, 0.1641

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.



31.0772, 0.4142, 0.2195



31.0772, 0.2987, 0.5954



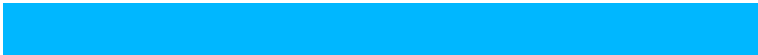
31.0772, 0.1709, 0.1445

Square

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



31.0772, 0.2987, 0.5954



31.0772, 0.1033, 0.1981



31.0772, 0.2704, 0.1680



31.0772, 0.5760, 0.3676

Rectangle

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



31.0772, 0.2987, 0.5954



31.0772, 0.1394, 0.3652



31.0772, 0.2704, 0.1680



31.0772, 0.5070, 0.2652

Sweetspot

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



31.0794, 0.2987, 0.5954



66.5871, 0.3058, 0.4105



38.9740, 0.4078, 0.5144



14.1640, 0.3049, 0.4235



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.



31.0794, 0.2987, 0.5954



56.3525, 0.2990, 0.5965



31.9676, 0.2659, 0.4771



9.4993, 0.3107, 0.3509



22.8055, 0.2985, 0.5946



0.7207, 0.2924, 0.5725

Inverse Universe

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



11.9074, 0.3389, 0.1641



21.5809, 0.3392, 0.1642



9.7562, 0.5232, 0.2656



8.6364, 0.3148, 0.3081



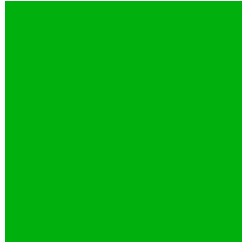
8.7397, 0.3387, 0.1639



0.2780, 0.3332, 0.1609

Previews

White Background



This preview shows how the Yxy color 31.0772, 0.2987, 0.5954 looks on a white background.

Color Contrast Check

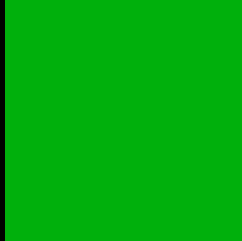
Large Text (above 18pt) WCAG AA × Fail

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 31.0772, 0.2987, 0.5954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

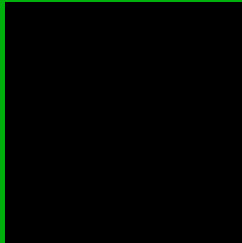
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.0772, 0.2987, 0.5954

Background



This preview shows how black text looks on a background with the Yxy color 31.0772, 0.2987, 0.5954.



This preview shows how white text looks on a background with the Yxy color 31.0772, 0.2987, 0.5954.

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

31.0772, 0.2987, 0.5954

Protanopia

30.6793, 0.4403, 0.4886

Deuteranopia

30.6169, 0.4582, 0.4497



Tritanopia

31.1811, 0.2367, 0.3070

Trichromacy



Original Color

31.0772, 0.2987, 0.5954



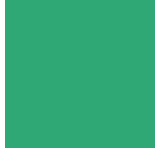
Protanomaly

28.3385, 0.3631, 0.5480



Deuteranomaly

27.5295, 0.3736, 0.5220



Tritanomaly

29.8940, 0.2630, 0.4276

Monochromacy



Original Color

31.0772, 0.2987, 0.5954



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

17.8808, 0.3024, 0.4674

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0772, 0.2987, 0.5954 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(0, 176, 12)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 12)  
}
```

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(0, 176, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 12) }
```

Border

The CSS property to change the border of an element to Yxy 31.0772, 0.2987, 0.5954 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(0, 176, 12) }
```

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

```
.border{ border-color:rgb(0, 176, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 176, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 12);  
box-shadow:4px 4px 4px 4px rgb(0, 176, 12)  
}
```


Background

The CSS property to change the background color of an element to Yxy 31.0772, 0.2987, 0.5954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 176, 12) }
```

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

```
.background{ background-color: rgb(0, 176,  
12) }
```

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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