

Converting Colors

$Y_{xy}(31.1802, 0.2943, 0.5792)$

Have a look what the booklet for
Yxy(31.1802, 0.2943, 0.5792)
contains.

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Color

Yxy(31.1785, 0.2945, 0.5796)

Conversions

Conversions Part 1

Format	Color
Hex	01B023
RGB	1, 176, 35
RGB Percent	0%, 69%, 14%
CMY	0.9957, 0.3098, 0.8628
CMYK	0.99, 0.00, 0.80, 0.31
HSL	132°, 99%, 35%
HSV	132°, 99%, 69%
XYZ	15.8421, 31.1785, 6.7726
YIQ	107.6010, -59.0390, -80.9510

Conversions

Conversions Part 2

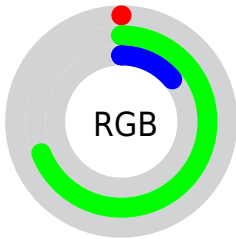
Format	Color
RYB	1, 148, 176
Decimal	110627
CIELab	62.66, -63.88, 56.37
CIELCh	63, 85.196, 138.570
Yxy	31.1785, 0.2945, 0.5796
Android (android.graphics.Color)	4278300707 (0xFF01B023)
YUV	107.6010, -35.7923, -93.4891
Hunter-Lab	55.8377, -47.0726, 31.8951

Details

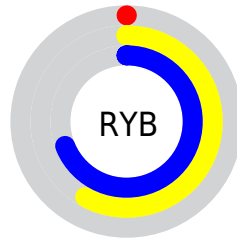
The Yxy color **31.1785, 0.2945, 0.5796** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **11.2104, 0.3763, 0.1850**, and the grayscale version is **15.0023, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5373, 0.3054, 0.5235**, and **13.9191, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **31.1675, 0.2946, 0.5805**, and if you desaturate by 10%, it is **31.4101, 0.2925, 0.5621**.

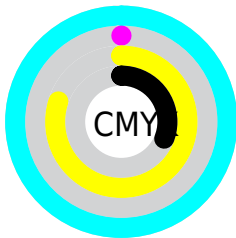
Distribution



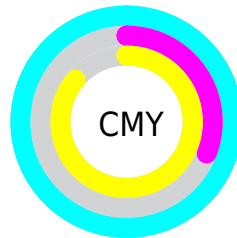
- Red (0%)
- Green (69%)
- Blue (14%)



- Red (0%)
- Yellow (58%)
- Blue (69%)



- Cyan (99%)
- Magenta (0%)
- Yellow (80%)
- Black (31%)





- Cyan (100%)
- Magenta (31%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.1785, 0.2945, 0.5796 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 31.1785, 0.2945, 0.5796 by changing the saturation by 10% instead.


 31.1785, 0.2945,
0.5796


 31.1785, 0.2945,
0.5796


307.3598, 0.3147,
0.4364

 20.7348, 0.2838,
0.6193

 61.5210, 0.3056,
0.5239

 12.9303, 0.2661,
0.6706


 82.1886, 0.3085,
0.5040


 7.3806, 0.2422,
0.7578

 107.0329, 0.3106,
0.4876

 3.7012, 0.1822,
0.8178

 136.4384, 0.3120,
0.4739

 1.5079, 0.0000,
1.0000

 170.7895, 0.3130,
0.4623

 0.2943, 0.0000,
1.0000

 210.4705, 0.3138,

 0.0000, 0.0000,

0.4524

0.0000

255.8658, 0.3143,
0.4438

■ 31.1785, 0.2945,
0.5796

■ 31.1785, 0.2945,
0.5796

■ 31.1675, 0.2946,
0.5805

■ 31.4101, 0.2925,
0.5621

■ 31.7950, 0.2913,
0.5393

■ 32.3768, 0.2912,
0.5124

■ 33.1784, 0.2924,
0.4831

■ 34.2197, 0.2947,
0.4531

■ 35.5181, 0.2977,
0.4237

■ 37.0893, 0.3012,
0.3961

■ 38.9479, 0.3051,
0.3707

■ 41.1075, 0.3090,
0.3480

Harmonies

Analogous

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



31.1785, 0.4084, 0.5518



31.1785, 0.2945, 0.5796



31.1785, 0.1904, 0.4678

Triad

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



31.1785, 0.2945, 0.5796



31.1785, 0.1272, 0.1560



31.1785, 0.5367, 0.2975

Complementary

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



31.1785, 0.2945, 0.5796



11.2104, 0.3763, 0.1850

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.



31.1785, 0.4193, 0.2279



31.1785, 0.2945, 0.5796



31.1785, 0.1809, 0.1511

Square

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



31.1785, 0.2945, 0.5796



31.1785, 0.1098, 0.1993



31.1785, 0.2806, 0.1759



31.1785, 0.5649, 0.3747

Rectangle

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



31.1785, 0.2945, 0.5796



31.1785, 0.1427, 0.3537



31.1785, 0.2806, 0.1759



31.1785, 0.5053, 0.2732

Sweetspot

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



31.1798, 0.2945, 0.5796



66.9122, 0.3008, 0.3992



36.9774, 0.3874, 0.5302



14.2390, 0.2993, 0.4104



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.



31.1798, 0.2945, 0.5796



56.5012, 0.2952, 0.5828



32.4295, 0.2542, 0.4346



9.5161, 0.3091, 0.3479



22.8744, 0.2942, 0.5790



0.7277, 0.2803, 0.5291

Inverse Universe

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



11.2104, 0.3763, 0.1850



20.2441, 0.3779, 0.1855



9.5445, 0.5675, 0.2905



8.6179, 0.3166, 0.3108



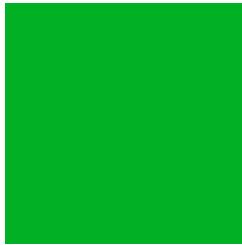
8.2111, 0.3760, 0.1845



0.2656, 0.3581, 0.1746

Previews

White Background



This preview shows how the Yxy color 31.1785, 0.2945, 0.5796 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 31.1785, 0.2945, 0.5796 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 31.1785, 0.2945, 0.5796

Background



This preview shows how black text looks on a background with the Yxy color 31.1785, 0.2945, 0.5796.



This preview shows how white text looks on a background with the Yxy color 31.1785, 0.2945, 0.5796.

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

31.1785, 0.2945, 0.5796

Protanopia

30.6521, 0.4329, 0.4801

Deuteranopia

30.5753, 0.4508, 0.4423



Tritanopia

31.1417, 0.2362, 0.3070

Trichromacy



Original Color

31.1785, 0.2945, 0.5796



Protanomaly

28.4287, 0.3571, 0.5342



Deuteranomaly

27.6252, 0.3670, 0.5085



Tritanomaly

30.0903, 0.2579, 0.4112

Monochromacy



Original Color

31.1785, 0.2945, 0.5796



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

18.6343, 0.2957, 0.4469

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1785, 0.2945, 0.5796 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(1, 176, 35)` looks like.

```
.text, #text, p{  
    color:rgb(1, 176, 35)  
}
```

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(1, 176, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 176, 35) }
```

Border

The CSS property to change the border of an element to Yxy 31.1785, 0.2945, 0.5796 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(1, 176, 35) }
```

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

```
.border{ border-color:rgb(1, 176, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 176, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 176, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 176, 35);  
box-shadow:4px 4px 4px 4px rgb(1, 176, 35)  
}
```


Background

The CSS property to change the background color of an element to Yxy 31.1785, 0.2945, 0.5796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 176, 35) }
```

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

```
.background{ background-color: rgb(1, 176,  
35) }
```

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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