

Converting Colors

Yxy(52.1917, 0.3003, 0.5998)

Have a look what the booklet for
Yxy(52.1917, 0.3003, 0.5998)
contains.

| | |
|--|----|
| Yxy(52.2684, 0.3003, 0.5998) | 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(52.2684, 0.3003, 0.5998)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 04DE00 |
| RGB | 4, 222, 0 |
| RGB Percent | 2%, 87%, 0% |
| CMY | 0.9850, 0.1294, 1.0000 |
| CMYK | 0.98, 0.00, 1.00, 0.13 |
| HSL | 119°, 100%, 44% |
| HSV | 119°, 100%, 87% |
| XYZ | 26.1691, 52.2684, 8.7056 |
| YIQ | 131.5100, -58.6660, -115.2580 |

Conversions

Conversions Part 2

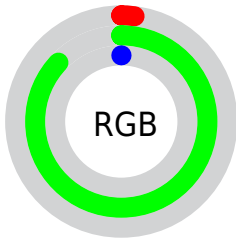
| Format | Color |
|-------------------------------------|---|
| RYB | 0, 222, 218 |
| Decimal | 318976 |
| CIELab | 77.44, -77.49, 74.94 |
| CIELCh | 77, 107.800, 135.955 |
| Yxy | 52.2684, 0.3003, 0.5998 |
| Android (android.graphics.Color) | 4278509056 (0xFF04DE00) |
| YUV | 131.5100, -64.8344, -111.8263 |
| Hunter-Lab | 72.2969, -61.9085, 43.4684 |

Details

The Yxy color **52.2684, 0.3003, 0.5998** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **20.2090, 0.3166, 0.1518**, and the grayscale version is **23.1230, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5554, 0.3131, 0.5383**, and **26.9103, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **52.2708, 0.3003, 0.5998**, and if you desaturate by 10%, it is **52.5197, 0.3008, 0.5921**.

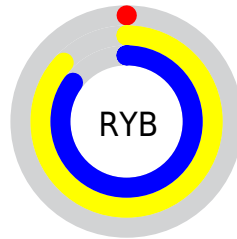
Distribution



Red (2%)

Green (87%)

Blue (0%)



Red (0%)

Yellow (87%)

Blue (85%)

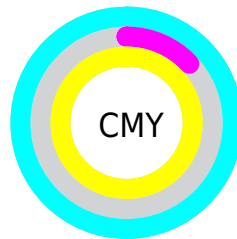


Cyan (98%)

Magenta (0%)

Yellow (100%)

Black (13%)



Cyan (99%)


Magenta (13%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.2684, 0.3003, 0.5998 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 52.2684, 0.3003, 0.5998 by changing the saturation by 10% instead.


 52.2684, 0.3003,
0.5998


 52.2684, 0.3003,
0.5998


395.4719, 0.3198,
0.4585

 37.2191, 0.2907,
0.6334


 93.5270, 0.3109,
0.5489


 25.3771, 0.2760,
0.6741


 120.5050, 0.3138,
0.5294


 16.3583, 0.2537,
0.7251


 152.2280, 0.3159,
0.5129


 9.7780, 0.2174,
0.7826

 189.0804, 0.3173,
0.4988

 5.2520, 0.1607,
0.8393

 231.4466, 0.3183,
0.4866

 2.3959, 0.0000,
1.0000

 279.7110, 0.3190,

 0.8238, 0.0000,

0.4760

1.0000

334.2579, 0.3195,
0.4667

■ 0.0000, 0.0000,
0.0000

■ 52.2684, 0.3003,
0.5998

■ 52.2684, 0.3003,
0.5998

■ 52.2708, 0.3003,
0.5998

■ 52.5197, 0.3008,
0.5921

■ 53.0463, 0.3019,
0.5764

■ 53.9219, 0.3032,
0.5524

■ 55.1930, 0.3048,
0.5217

■ 56.8988, 0.3064,
0.4870

■ 59.0739, 0.3079,
0.4512

■ 61.7493, 0.3094,
0.4163

■ 64.9534, 0.3107,
0.3839

■ 68.7125, 0.3118,
0.3547

Harmonies

Analogous

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



52.2684, 0.4187, 0.5540



52.2684, 0.3003, 0.5998



52.2684, 0.1904, 0.4937

Triad

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



52.2684, 0.3003, 0.5998



52.2684, 0.1167, 0.1501



52.2684, 0.5427, 0.2873

Complementary

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



52.2684, 0.3003, 0.5998



20.2090, 0.3166, 0.1518

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.



52.2684, 0.4121, 0.2169



52.2684, 0.3003, 0.5998



52.2684, 0.1678, 0.1427

Square

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



52.2684, 0.3003, 0.5998



52.2684, 0.1015, 0.1981



52.2684, 0.2669, 0.1657



52.2684, 0.5792, 0.3652

Rectangle

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



52.2684, 0.3003, 0.5998



52.2684, 0.1387, 0.3694



52.2684, 0.2669, 0.1657



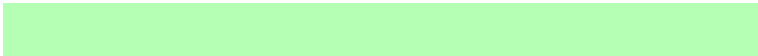
52.2684, 0.5068, 0.2627

Sweetspot

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



52.2708, 0.3003, 0.5998



84.4356, 0.3094, 0.4171



63.9314, 0.4253, 0.5005



17.7227, 0.3088, 0.4317



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.2708, 0.3003, 0.5998



71.5483, 0.3002, 0.5998



53.2376, 0.2761, 0.5139



15.3484, 0.3118, 0.3532



31.0506, 0.3004, 0.5997



2.1563, 0.3015, 0.5988

Inverse Universe

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



20.2090, 0.3166, 0.1518



27.6579, 0.3166, 0.1518



16.8483, 0.4842, 0.2441



13.9230, 0.3135, 0.3059



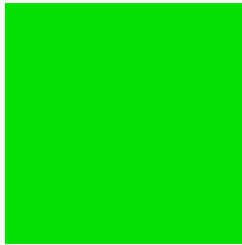
12.0083, 0.3167, 0.1518



0.8362, 0.3174, 0.1522

Previews

White Background



This preview shows how the Yxy color 52.2684, 0.3003, 0.5998 looks on a white background.

Color Contrast Check

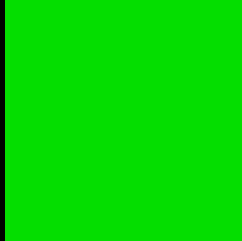
Large Text (above 18pt) WCAG AA × Fail

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 52.2684, 0.3003, 0.5998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

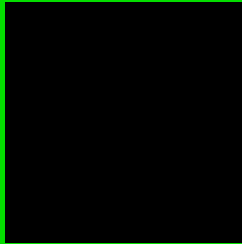
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

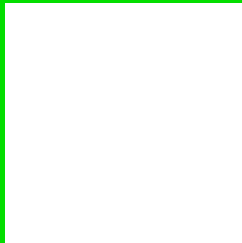
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.2684, 0.3003, 0.5998

Background



This preview shows how black text looks on a background with the Yxy color 52.2684, 0.3003, 0.5998.



This preview shows how white text looks on a background with the Yxy color 52.2684, 0.3003, 0.5998.

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

52.2684, 0.3003, 0.5998

Protanopia

51.1231, 0.4407, 0.4883

Deuteranopia

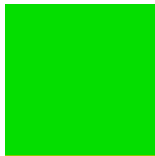
51.0331, 0.4610, 0.4514



Tritanopia

51.7975, 0.2356, 0.3058

Trichromacy



Original Color

52.2684, 0.3003, 0.5998



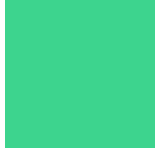
Protanomaly

47.6443, 0.3642, 0.5490



Deuteranomaly

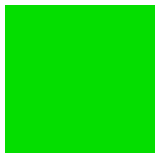
45.9014, 0.3772, 0.5263



Tritanomaly

50.0321, 0.2662, 0.4388

Monochromacy



Original Color

52.2684, 0.3003, 0.5998



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

29.1067, 0.3071, 0.4810

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2684, 0.3003, 0.5998 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(4, 222, 0)` looks like.

```
.text, #text, p{  
    color:rgb(4, 222, 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(4, 222, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 222, 0) }
```

Border

The CSS property to change the border of an element to Yxy 52.2684, 0.3003, 0.5998 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(4, 222, 0) }
```

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

```
.border{ border-color:rgb(4, 222, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 222, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 222, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(4, 222, 0); box-shadow:4px  
4px 4px 4px rgb(4, 222, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2684, 0.3003, 0.5998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 222, 0) }
```

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

```
.background{ background-color: rgb(4, 222,  
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](#).

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