

Converting Colors

$Y_{xy}(50.2164, 0.3001, 0.5976)$

Have a look what the booklet for
Yxy(50.2164, 0.3001, 0.5976)
contains.

Yxy(50.2120, 0.3001, 0.5976)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.2120, 0.3001, 0.5976)

Conversions

Conversions Part 1

Format	Color
Hex	08DA08
RGB	8, 218, 8
RGB Percent	3%, 85%, 3%
CMY	0.9689, 0.1451, 0.9681
CMYK	0.96, 0.00, 0.96, 0.15
HSL	120°, 93%, 44%
HSV	120°, 96%, 85%
XYZ	25.2152, 50.2120, 8.5955
YIQ	131.2700, -57.7500, -109.8300

Conversions

Conversions Part 2

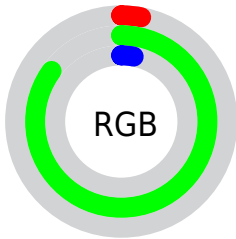
Format	Color
RYB	8, 218, 218
Decimal	580104
CIELab	76.20, -76.13, 73.17
CIELCh	76, 105.594, 136.138
Yxy	50.2120, 0.3001, 0.5976
Android (android.graphics.Color)	4278770184 (0xFF08DA08)
YUV	131.2700, -60.7721, -108.1078
Hunter-Lab	70.8604, -60.4877, 42.4103

Details

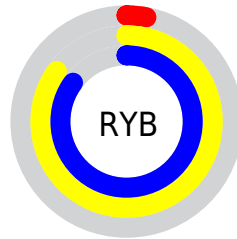
The Yxy color **50.2120, 0.3001, 0.5976** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **20.1304, 0.3211, 0.1553**, and the grayscale version is **23.0351, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5876, 0.3125, 0.5364**, and **25.4897, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **50.1455, 0.3000, 0.6000**, and if you desaturate by 10%, it is **50.5104, 0.3005, 0.5876**.

Distribution



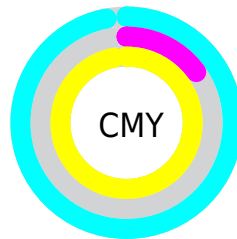
- Red (3%)
- Green (85%)
- Blue (3%)



- Red (3%)
- Yellow (85%)
- Blue (85%)



- Cyan (96%)
- Magenta (0%)
- Yellow (96%)
- Black (15%)





- Cyan (97%)
- Magenta (15%)
- Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.2120, 0.3001, 0.5976 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 50.2120, 0.3001, 0.5976 by changing the saturation by 10% instead.


 50.2120, 0.3001,
0.5976

 50.2120, 0.3001,
0.5976


387.4944, 0.3194,
0.4563

 35.5819, 0.2905,
0.6316


 90.4889, 0.3106,
0.5464


 24.1114, 0.2757,
0.6730

 116.9045, 0.3135,
0.5269

 15.4163, 0.2531,
0.7255


 148.0173, 0.3155,
0.5105

 9.1121, 0.2159,
0.7841

 184.2118, 0.3169,
0.4964

 4.8144, 0.1574,
0.8426

 225.8724, 0.3179,
0.4843

 2.1388, 0.0000,
1.0000

 273.3834, 0.3186,

 0.6863, 0.0000,

0.4737

1.0000

327.1293, 0.3191,
0.4645

■ 0.0000, 0.0000,
0.0000

■ 50.2120, 0.3001,
0.5976

■ 50.2120, 0.3001,
0.5976

■ 50.1455, 0.3000,
0.6000

■ 50.5104, 0.3005,
0.5876

■ 51.1080, 0.3014,
0.5689

■ 52.0620, 0.3027,
0.5422

■ 53.4161, 0.3042,
0.5096

■ 55.2077, 0.3059,
0.4741

■ 57.4700, 0.3075,
0.4383

■ 60.2331, 0.3092,
0.4042

■ 63.5242, 0.3106,
0.3728

■ 67.3690, 0.3120,
0.3449

Harmonies

Analogous

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



50.2120, 0.4179, 0.5535



50.2120, 0.3001, 0.5976



50.2120, 0.1908, 0.4912

Triad

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



50.2120, 0.3001, 0.5976



50.2120, 0.1178, 0.1509



50.2120, 0.5417, 0.2882

Complementary

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



50.2120, 0.3001, 0.5976



20.1304, 0.3211, 0.1553

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.



50.2120, 0.4124, 0.2180



50.2120, 0.3001, 0.5976



50.2120, 0.1690, 0.1436

Square

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



50.2120, 0.3001, 0.5976



50.2120, 0.1025, 0.1985



50.2120, 0.2681, 0.1667



50.2120, 0.5776, 0.3660

Rectangle

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



50.2120, 0.3001, 0.5976



50.2120, 0.1394, 0.3681



50.2120, 0.2681, 0.1667



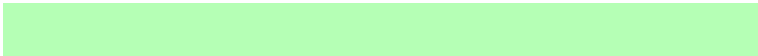
50.2120, 0.5062, 0.2636

Sweetspot

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



50.2141, 0.3001, 0.5976



84.6908, 0.3087, 0.4138



65.0686, 0.4187, 0.5043



17.7648, 0.3080, 0.4285



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.



50.2141, 0.3001, 0.5976



71.5205, 0.3000, 0.6000



51.3878, 0.2718, 0.4961



14.6065, 0.3116, 0.3531



30.0411, 0.3000, 0.5999



1.9463, 0.2999, 0.5997

Inverse Universe

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



20.1304, 0.3211, 0.1553



28.4649, 0.3212, 0.1543



16.2699, 0.4896, 0.2491



13.2747, 0.3138, 0.3060



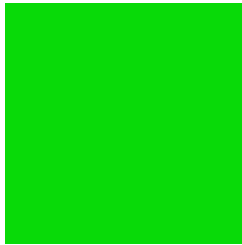
11.9564, 0.3211, 0.1543



0.7747, 0.3211, 0.1543

Previews

White Background



This preview shows how the Yxy color 50.2120, 0.3001, 0.5976 looks on a white background.

Color Contrast Check

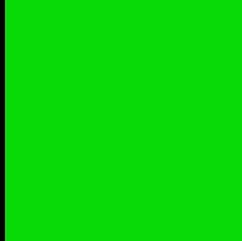
Large Text (above 18pt) WCAG AA × Fail

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 50.2120, 0.3001, 0.5976 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

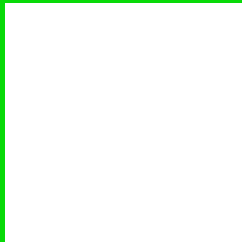
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.2120, 0.3001, 0.5976

Background



This preview shows how black text looks on a background with the Yxy color 50.2120, 0.3001, 0.5976.



This preview shows how white text looks on a background with the Yxy color 50.2120, 0.3001, 0.5976.

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

50.2120, 0.3001, 0.5976

Protanopia

49.2423, 0.4401, 0.4887

Deuteranopia

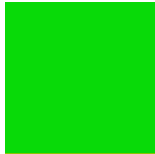
49.1501, 0.4605, 0.4510



Tritanopia

50.1017, 0.2361, 0.3068

Trichromacy



Original Color

50.2120, 0.3001, 0.5976



Protanomaly

45.7131, 0.3654, 0.5472



Deuteranomaly

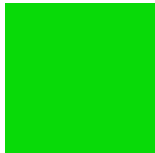
44.4902, 0.3776, 0.5235



Tritanomaly

48.0568, 0.2652, 0.4340

Monochromacy



Original Color

50.2120, 0.3001, 0.5976



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

28.8447, 0.3059, 0.4740

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.2120, 0.3001, 0.5976 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(8, 218, 8)` looks like.

```
.text, #text, p{  
    color:rgb(8, 218, 8)  
}
```

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(8, 218, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 218, 8) }
```

Border

The CSS property to change the border of an element to Yxy 50.2120, 0.3001, 0.5976 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(8, 218, 8) }
```

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

```
.border{ border-color:rgb(8, 218, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 218, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 218, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(8, 218, 8); box-shadow:4px  
4px 4px 4px rgb(8, 218, 8) }
```


Background

The CSS property to change the background color of an element to Yxy 50.2120, 0.3001, 0.5976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 218, 8) }
```

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

```
.background{ background-color: rgb(8, 218,  
8) }
```

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