

Converting Colors

$Y_{xy}(51.7405, 0.2992, 0.5973)$

Have a look what the booklet for
Yxy(51.7405, 0.2992, 0.5973)
contains.

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Color

Yxy(51.7394, 0.2992, 0.5972)

Conversions

Conversions Part 1

Format	Color
Hex	00DD0C
RGB	0, 221, 12
RGB Percent	0%, 87%, 5%
CMY	1.0000, 0.1333, 0.9520
CMYK	1.00, 0.00, 0.94, 0.13
HSL	123°, 100%, 43%
HSV	123°, 100%, 87%
XYZ	25.9217, 51.7394, 8.9756
YIQ	131.0950, -64.6270, -111.8510

Conversions

Conversions Part 2

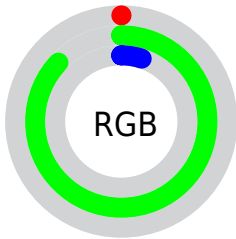
Format	Color
RYB	0, 210, 221
Decimal	56588
CIELab	77.12, -77.15, 73.52
CIELCh	77, 106.570, 136.381
Yxy	51.7394, 0.2992, 0.5972
Android (android.graphics.Color)	4278246668 (0xFF00DD0C)
YUV	131.0950, -58.7138, -114.9703
Hunter-Lab	71.9301, -61.5511, 42.9528

Details

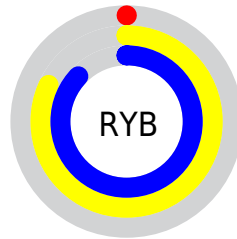
The Yxy color **51.7394, 0.2992, 0.5972** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **19.9644, 0.3355, 0.1622**, and the grayscale version is **22.9758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5396, 0.3117, 0.5358**, and **26.5509, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **51.7431, 0.2992, 0.5972**, and if you desaturate by 10%, it is **51.9981, 0.2989, 0.5872**.

Distribution



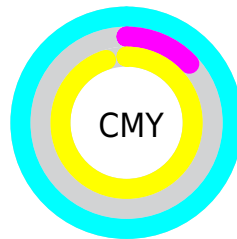
- Red (0%)
- Green (87%)
- Blue (5%)



- Red (0%)
- Yellow (82%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (94%)
- Black (13%)




- Cyan (100%)
- Magenta (13%)
- Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.7394, 0.2992, 0.5972 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 51.7394, 0.2992, 0.5972 by changing the saturation by 10% instead.


 51.7394, 0.2992,
0.5972


 51.7394, 0.2992,
0.5972


393.4297, 0.3188,
0.4567


 36.7974, 0.2897,
0.6309


 92.7468, 0.3097,
0.5464

 25.0507, 0.2751,
0.6719


 119.5810, 0.3127,
0.5270


 16.1148, 0.2527,
0.7230


 151.1480, 0.3147,
0.5107

 9.6054, 0.2170,
0.7830

 187.8323, 0.3162,
0.4967

 5.1381, 0.1598,
0.8402

 230.0182, 0.3172,
0.4846

 2.3285, 0.0000,
1.0000


 278.0902, 0.3179,


 0.7888, 0.0000,


0.4741


1.0000


332.4325, 0.3185,
0.4648


 0.0000, 0.0000,
0.0000


 51.7394, 0.2992,
0.5972


 51.7394, 0.2992,
0.5972


 51.7431, 0.2992,
0.5972

 51.9981, 0.2989,
0.5872

 52.5222, 0.2988,
0.5692

 53.3910, 0.2994,
0.5438

 54.6503, 0.3006,
0.5130

 56.3389, 0.3022,
0.4791

■ 58.4909, 0.3042,
0.4446

■ 61.1369, 0.3064,
0.4115

■ 64.3051, 0.3086,
0.3808

■ 68.0213, 0.3107,
0.3533

Harmonies

Analogous

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



51.7394, 0.4170, 0.5541



51.7394, 0.2992, 0.5972



51.7394, 0.1901, 0.4897

Triad

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



51.7394, 0.2992, 0.5972



51.7394, 0.1181, 0.1508



51.7394, 0.5423, 0.2888

Complementary

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



51.7394, 0.2992, 0.5972



19.9644, 0.3355, 0.1622

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.



51.7394, 0.4136, 0.2185



51.7394, 0.2992, 0.5972



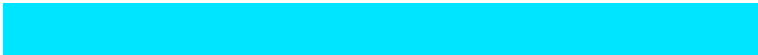
51.7394, 0.1697, 0.1438

Square

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



51.7394, 0.2992, 0.5972



51.7394, 0.1026, 0.1980



51.7394, 0.2691, 0.1671



51.7394, 0.5773, 0.3667

Rectangle

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



51.7394, 0.2992, 0.5972



51.7394, 0.1390, 0.3667



51.7394, 0.2691, 0.1671



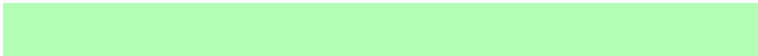
51.7394, 0.5071, 0.2643

Sweetspot

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



51.7431, 0.2992, 0.5972



84.4523, 0.3063, 0.4122



65.4110, 0.4105, 0.5122



17.7265, 0.3054, 0.4261



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.



51.7431, 0.2992, 0.5972



71.5521, 0.2993, 0.5976



53.1100, 0.2682, 0.4854



14.6179, 0.3108, 0.3518



30.0618, 0.2990, 0.5962



1.9518, 0.2958, 0.5850

Inverse Universe

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



19.9644, 0.3355, 0.1622



27.6029, 0.3356, 0.1622



16.2826, 0.5198, 0.2637



13.2617, 0.3146, 0.3072



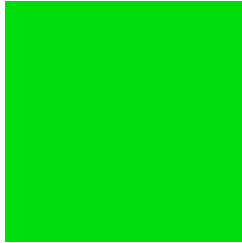
11.6026, 0.3352, 0.1620



0.7556, 0.3327, 0.1606

Previews

White Background



This preview shows how the Yxy color 51.7394, 0.2992, 0.5972 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 51.7394, 0.2992, 0.5972 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 51.7394, 0.2992, 0.5972

Background



This preview shows how black text looks on a background with the Yxy color 51.7394, 0.2992, 0.5972.



This preview shows how white text looks on a background with the Yxy color 51.7394, 0.2992, 0.5972.

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

51.7394, 0.2992, 0.5972

Protanopia

50.5413, 0.4408, 0.4882

Deuteranopia

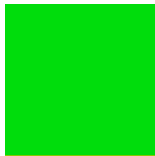
50.4665, 0.4607, 0.4506



Tritanopia

51.2637, 0.2357, 0.3057

Trichromacy



Original Color

51.7394, 0.2992, 0.5972



Protanomaly

47.0163, 0.3627, 0.5491



Deuteranomaly

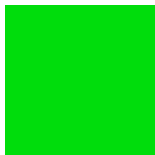
45.2903, 0.3748, 0.5244



Tritanomaly

49.5937, 0.2632, 0.4311

Monochromacy



Original Color

51.7394, 0.2992, 0.5972



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

29.0945, 0.3022, 0.4726

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7394, 0.2992, 0.5972 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, 221, 12)` looks like.

```
.text, #text, p{  
    color:rgb(0, 221, 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, 221, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 221, 12) }
```

Border

The CSS property to change the border of an element to Yxy 51.7394, 0.2992, 0.5972 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, 221, 12) }
```

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

```
.border{ border-color:rgb(0, 221, 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, 221, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 221, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 221, 12);  
box-shadow:4px 4px 4px 4px rgb(0, 221, 12)  
}
```


Background

The CSS property to change the background color of an element to Yxy 51.7394, 0.2992, 0.5972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 221, 12) }
```

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

```
.background{ background-color: rgb(0, 221,  
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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