

Converting Colors

$Y_{xy}(52.2958, 0.3016, 0.5988)$

Have a look what the booklet for
Yxy(52.2958, 0.3016, 0.5988)
contains.

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Color

Yxy(52.3810, 0.3016, 0.5987)

Conversions

Conversions Part 1

Format	Color
Hex	13DE00
RGB	19, 222, 0
RGB Percent	7%, 87%, 0%
CMY	0.9263, 0.1294, 0.9995
CMYK	0.92, 0.00, 1.00, 0.13
HSL	115°, 100%, 44%
HSV	115°, 100%, 87%
XYZ	26.3874, 52.3810, 8.7229
YIQ	135.9950, -49.7260, -112.0780

Conversions

Conversions Part 2

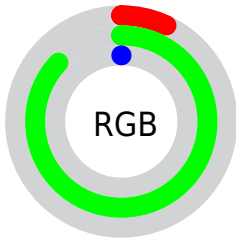
Format	Color
RYB	0, 222, 203
Decimal	1302016
CIELab	77.51, -76.87, 75.00
CIELCh	78, 107.401, 135.705
Yxy	52.3810, 0.3016, 0.5987
Android (android.graphics.Color)	4279492096 (0xFF13DE00)
YUV	135.9950, -67.0455, -102.6046
Hunter-Lab	72.3747, -61.5758, 43.5164

Details

The Yxy color **52.3810, 0.3016, 0.5987** 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 **18.0227, 0.2996, 0.1424**, and the grayscale version is **24.8721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7533, 0.3145, 0.5374**, and **26.9103, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **52.3816, 0.3016, 0.5987**, and if you desaturate by 10%, it is **52.7396, 0.3033, 0.5901**.

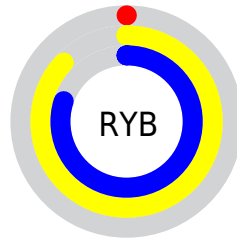
Distribution



Red (7%)

Green (87%)

Blue (0%)



Red (0%)

Yellow (87%)

Blue (80%)

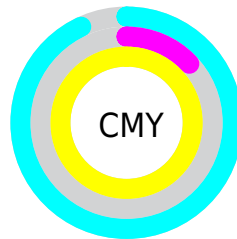


Cyan (92%)

Magenta (0%)

Yellow (100%)

Black (13%)



Cyan (93%)


Magenta (13%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.3810, 0.3016, 0.5987 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 52.3810, 0.3016, 0.5987 by changing the saturation by 10% instead.

 52.3810, 0.3016,
0.5987


 52.3810, 0.3016,
0.5987


395.9057, 0.3204,
0.4581

 37.3089, 0.2922,
0.6321


 93.6929, 0.3119,
0.5481

 25.4467, 0.2777,
0.6725


 120.7014, 0.3148,
0.5287

 16.4102, 0.2556,
0.7231


 152.4575, 0.3167,
0.5123

 9.8149, 0.2198,
0.7802

 189.3456, 0.3181,
0.4983

 5.2764, 0.1634,
0.8366

 231.7501, 0.3190,
0.4862

 2.4103, 0.0000,
1.0000

 280.0554, 0.3197,

 0.8312, 0.0000,

0.4756

1.0000

334.6458, 0.3201,
0.4663

■ 0.0000, 0.0000,
0.0000

■ 52.3810, 0.3016,
0.5987

■ 52.3810, 0.3016,
0.5987

■ 52.3816, 0.3016,
0.5987

■ 52.7396, 0.3033,
0.5901

■ 53.3764, 0.3055,
0.5737

■ 54.3452, 0.3075,
0.5494

■ 55.6835, 0.3093,
0.5189

■ 57.4236, 0.3107,
0.4848

■ 59.5943, 0.3118,
0.4496

■ 62.2220, 0.3124,
0.4153

■ 65.3305, 0.3128,
0.3834

■ 68.9424, 0.3128,
0.3545

Harmonies

Analogous

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



52.3810, 0.4196, 0.5526



52.3810, 0.3016, 0.5987



52.3810, 0.1918, 0.4943

Triad

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



52.3810, 0.3016, 0.5987



52.3810, 0.1169, 0.1509



52.3810, 0.5410, 0.2869

Complementary

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



52.3810, 0.3016, 0.5987



18.0227, 0.2996, 0.1424

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.



52.3810, 0.4105, 0.2168



52.3810, 0.3016, 0.5987



52.3810, 0.1677, 0.1432

Square

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



52.3810, 0.3016, 0.5987



52.3810, 0.1021, 0.1992



52.3810, 0.2661, 0.1658



52.3810, 0.5784, 0.3647

Rectangle

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



52.3810, 0.3016, 0.5987



52.3810, 0.1398, 0.3708



52.3810, 0.2661, 0.1658



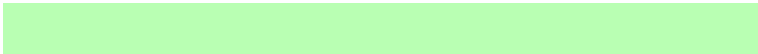
52.3810, 0.5050, 0.2624

Sweetspot

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



52.3832, 0.3016, 0.5987



85.0605, 0.3124, 0.4163



56.7564, 0.4382, 0.4902



17.8642, 0.3122, 0.4306



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.



52.3832, 0.3016, 0.5987



71.6843, 0.3014, 0.5989



52.9667, 0.2819, 0.5347



15.3920, 0.3128, 0.3531



31.1309, 0.3020, 0.5984



2.1772, 0.3074, 0.5941

Inverse Universe

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



18.0227, 0.2996, 0.1424



24.6371, 0.2994, 0.1423



17.2343, 0.4559, 0.2285



13.8740, 0.3125, 0.3058



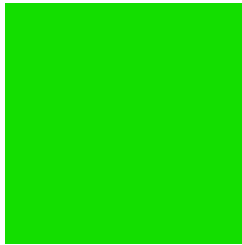
10.7256, 0.2999, 0.1426



0.7610, 0.3034, 0.1445

Previews

White Background



This preview shows how the Yxy color 52.3810, 0.3016, 0.5987 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 52.3810, 0.3016, 0.5987 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 52.3810, 0.3016, 0.5987

Background



This preview shows how black text looks on a background with the Yxy color 52.3810, 0.3016, 0.5987.



This preview shows how white text looks on a background with the Yxy color 52.3810, 0.3016, 0.5987.

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

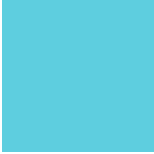
52.3810, 0.3016, 0.5987

Protanopia

51.1231, 0.4407, 0.4883

Deuteranopia

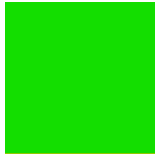
51.0331, 0.4610, 0.4514



Tritanopia

51.8500, 0.2359, 0.3058

Trichromacy



Original Color

52.3810, 0.3016, 0.5987



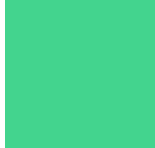
Protanomaly

48.0807, 0.3683, 0.5458



Deuteranomaly

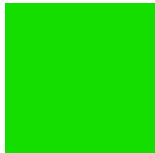
46.3982, 0.3816, 0.5229



Tritanomaly

50.2333, 0.2681, 0.4382

Monochromacy



Original Color

52.3810, 0.3016, 0.5987



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

30.6527, 0.3105, 0.4746

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.3810, 0.3016, 0.5987 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(19, 222, 0)` looks like.

```
.text, #text, p{  
    color:rgb(19, 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(19, 222, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 222, 0) }
```

Border

The CSS property to change the border of an element to Yxy 52.3810, 0.3016, 0.5987 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(19, 222, 0) }
```

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

```
.border{ border-color:rgb(19, 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(19, 222, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 222, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 222, 0);  
box-shadow:4px 4px 4px 4px rgb(19, 222, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 52.3810, 0.3016, 0.5987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 222, 0) }
```

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

```
.background{ background-color: rgb(19, 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](#).

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