

Converting Colors

Yxy(54.9954, 0.3010, 0.5992)

Have a look what the booklet for
Yxy(54.9954, 0.3010, 0.5992)
contains.

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Color

$\text{Yxy}(55.0237, 0.3010, 0.5992)$

Conversions

Conversions Part 1

Format	Color
Hex	0DE300
RGB	13, 227, 0
RGB Percent	5%, 89%, 0%
CMY	0.9472, 0.1098, 0.9998
CMYK	0.94, 0.00, 1.00, 0.11
HSL	116°, 100%, 45%
HSV	116°, 100%, 89%
XYZ	27.6404, 55.0237, 9.1645
YIQ	137.1360, -54.6770, -115.9650

Conversions

Conversions Part 2

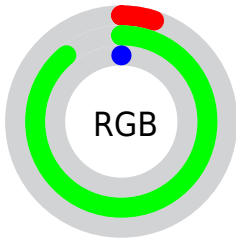
Format	Color
RYB	0, 227, 214
Decimal	910080
CIELab	79.05, -78.46, 76.24
CIELCh	79, 109.398, 135.822
Yxy	55.0237, 0.3010, 0.5992
Android (android.graphics.Color)	4279100160 (0xFF0DE300)
YUV	137.1360, -67.6080, -108.8673
Hunter-Lab	74.1780, -63.2982, 44.5994

Details

The Yxy color **55.0237, 0.3010, 0.5992** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **19.7793, 0.3059, 0.1459**, and the grayscale version is **25.4059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7693, 0.3142, 0.5365**, and **28.7495, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **55.0255, 0.3010, 0.5992**, and if you desaturate by 10%, it is **55.3519, 0.3023, 0.5911**.

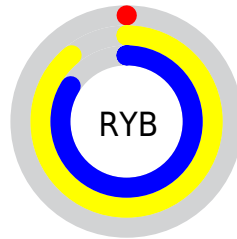
Distribution



Red (5%)

Green (89%)

Blue (0%)



Red (0%)

Yellow (89%)

Blue (84%)

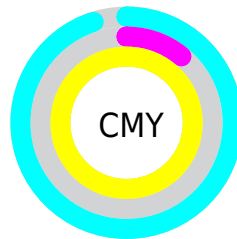


Cyan (94%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (95%)


Magenta (11%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.0237, 0.3010, 0.5992 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 55.0237, 0.3010, 0.5992 by changing the saturation by 10% instead.

 55.0237, 0.3010,
0.5992

 55.0237, 0.3010,
0.5992


406.0018, 0.3201,
0.4594


 39.4207, 0.2917,
0.6321


 97.5757, 0.3113,
0.5491

 27.0872, 0.2775,
0.6718


 125.2934, 0.3142,
0.5299


 17.6387, 0.2558,
0.7204


 157.8183, 0.3162,
0.5136

 10.6909, 0.2218,
0.7782

 195.5345, 0.3176,
0.4996

 5.8594, 0.1675,
0.8325

 238.8266, 0.3186,
0.4875

 2.7598, 0.0315,
0.9685

 288.0789, 0.3193,

 1.0076, 0.0000,

0.4769

1.0000

343.6758, 0.3198,
0.4677

■ 0.0000, 0.0000,
0.0000

■ 55.0237, 0.3010,
0.5992

■ 55.0237, 0.3010,
0.5992

■ 55.0255, 0.3010,
0.5992

■ 55.3519, 0.3023,
0.5911

■ 55.9758, 0.3040,
0.5750

■ 56.9565, 0.3058,
0.5508

■ 58.3367, 0.3076,
0.5203

■ 60.1531, 0.3091,
0.4859

■ 62.4385, 0.3103,
0.4504

■ 65.2221, 0.3113,
0.4159

■ 68.5311, 0.3120,
0.3837

■ 72.3906, 0.3124,
0.3546

Harmonies

Analogous

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



55.0237, 0.4192, 0.5532



55.0237, 0.3010, 0.5992



55.0237, 0.1911, 0.4940

Triad

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



55.0237, 0.3010, 0.5992



55.0237, 0.1168, 0.1506



55.0237, 0.5418, 0.2871

Complementary

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



55.0237, 0.3010, 0.5992



19.7793, 0.3059, 0.1459

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.



55.0237, 0.4112, 0.2169



55.0237, 0.3010, 0.5992



55.0237, 0.1677, 0.1429

Square

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



55.0237, 0.3010, 0.5992



55.0237, 0.1018, 0.1987



55.0237, 0.2665, 0.1658



55.0237, 0.5788, 0.3649

Rectangle

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



55.0237, 0.3010, 0.5992



55.0237, 0.1393, 0.3701



55.0237, 0.2665, 0.1658



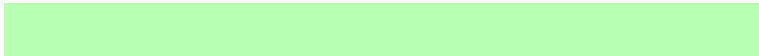
55.0237, 0.5059, 0.2625

Sweetspot

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



55.0260, 0.3010, 0.5992



84.8248, 0.3113, 0.4166



63.3514, 0.4316, 0.4955



17.8107, 0.3109, 0.4310



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.



55.0260, 0.3010, 0.5992



71.6222, 0.3009, 0.5993



55.8263, 0.2791, 0.5248



16.1296, 0.3125, 0.3532



32.1083, 0.3013, 0.5990



2.3871, 0.3050, 0.5960

Inverse Universe

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



19.7793, 0.3059, 0.1459



25.7310, 0.3058, 0.1459



17.9074, 0.4702, 0.2364



14.5695, 0.3129, 0.3058



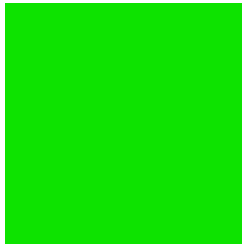
11.5530, 0.3062, 0.1460



0.8670, 0.3085, 0.1473

Previews

White Background



This preview shows how the Yxy color 55.0237, 0.3010, 0.5992 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 55.0237, 0.3010, 0.5992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

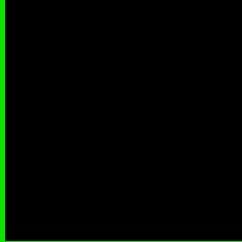
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.0237, 0.3010, 0.5992

Background



This preview shows how black text looks on a background with the Yxy color 55.0237, 0.3010, 0.5992.



This preview shows how white text looks on a background with the Yxy color 55.0237, 0.3010, 0.5992.

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

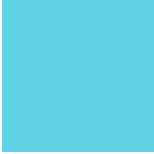
55.0237, 0.3010, 0.5992

Protanopia

53.6436, 0.4412, 0.4879

Deuteranopia

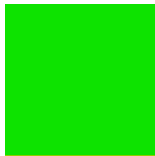
53.7358, 0.4618, 0.4511



Tritanopia

54.6768, 0.2359, 0.3063

Trichromacy



Original Color

55.0237, 0.3010, 0.5992



Protanomaly

50.0719, 0.3668, 0.5470



Deuteranomaly

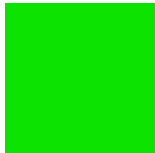
48.8811, 0.3800, 0.5248



Tritanomaly

52.8283, 0.2674, 0.4392

Monochromacy



Original Color

55.0237, 0.3010, 0.5992



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

31.7129, 0.3094, 0.4785

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.0237, 0.3010, 0.5992 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(13, 227, 0)` looks like.

```
.text, #text, p{  
    color:rgb(13, 227, 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(13, 227, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 227, 0) }
```

Border

The CSS property to change the border of an element to Yxy 55.0237, 0.3010, 0.5992 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(13, 227, 0) }
```

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

```
.border{ border-color:rgb(13, 227, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 227, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 227, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 227, 0);  
box-shadow:4px 4px 4px 4px rgb(13, 227, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 55.0237, 0.3010, 0.5992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 227, 0) }
```

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

```
.background{ background-color: rgb(13, 227,  
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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