

Converting Colors

$Y_{xy}(54.8079, 0.3023, 0.5982)$

Have a look what the booklet for
Yxy(54.8079, 0.3023, 0.5982)
contains.

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Color

Yxy(54.5994, 0.3023, 0.5981)

Conversions

Conversions Part 1

Format	Color
Hex	19E200
RGB	25, 226, 0
RGB Percent	10%, 89%, 0%
CMY	0.9024, 0.1137, 0.9988
CMYK	0.89, 0.00, 1.00, 0.11
HSL	113°, 100%, 44%
HSV	113°, 100%, 89%
XYZ	27.5964, 54.5994, 9.0923
YIQ	140.1370, -47.2500, -112.8980

Conversions

Conversions Part 2

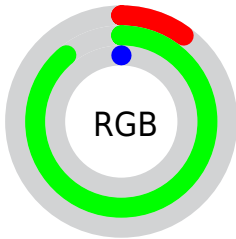
Format	Color
RYB	0, 226, 201
Decimal	1696256
CIELab	78.81, -77.58, 76.05
CIELCh	79, 108.634, 135.571
Yxy	54.5994, 0.3023, 0.5981
Android (android.graphics.Color)	4279886336 (0xFF19E200)
YUV	140.1370, -69.0875, -100.9751
Hunter-Lab	73.8914, -62.6452, 44.4284

Details

The Yxy color **54.5994, 0.3023, 0.5981** 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 **17.9753, 0.2933, 0.1390**, and the grayscale version is **26.5708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9738, 0.3156, 0.5356**, and **28.3759, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **54.5975, 0.3023, 0.5982**, and if you desaturate by 10%, it is **55.0157, 0.3045, 0.5892**.

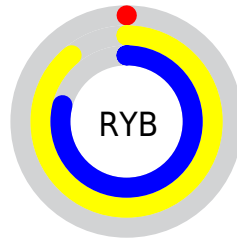
Distribution



Red (10%)

Green (89%)

Blue (0%)



Red (0%)

Yellow (89%)

Blue (79%)

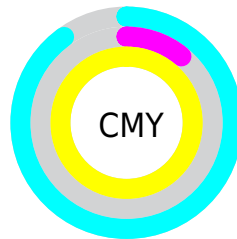


Cyan (89%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (90%)


Magenta (11%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.5994, 0.3023, 0.5981 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 54.5994, 0.3023, 0.5981 by changing the saturation by 10% instead.


 54.5994, 0.3023,
0.5981


 54.5994, 0.3023,
0.5981


404.3916, 0.3207,
0.4588


 39.0811, 0.2932,
0.6309


 96.9538, 0.3124,
0.5482

 26.8228, 0.2791,
0.6704


 124.5586, 0.3152,
0.5291

 17.4402, 0.2576,
0.7191


 156.9611, 0.3171,
0.5128

 10.5488, 0.2236,
0.7764

 194.5455, 0.3184,
0.4989

 5.7643, 0.1692,
0.8308

 237.6965, 0.3194,
0.4868

 2.7023, 0.0306,
0.9694

 286.7982, 0.3200,

 0.9784, 0.0000,

0.4763

1.0000

342.2351, 0.3204,
0.4670

■ 0.0000, 0.0000,
0.0000

■ 54.5994, 0.3023,
0.5981

■ 54.5994, 0.3023,
0.5981

■ 54.5975, 0.3023,
0.5982

■ 55.0157, 0.3045,
0.5892

■ 55.7186, 0.3070,
0.5726

■ 56.7600, 0.3093,
0.5482

■ 58.1763, 0.3111,
0.5178

■ 59.9991, 0.3124,
0.4839

■ 62.2565, 0.3132,
0.4489

■ 64.9743, 0.3136,
0.4149

■ 68.1760, 0.3135,
0.3831

■ 71.8838, 0.3132,
0.3543

Harmonies

Analogous

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



54.5994, 0.4201, 0.5519



54.5994, 0.3023, 0.5981



54.5994, 0.1925, 0.4946

Triad

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



54.5994, 0.3023, 0.5981



54.5994, 0.1171, 0.1513



54.5994, 0.5401, 0.2867

Complementary

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



54.5994, 0.3023, 0.5981



17.9753, 0.2933, 0.1390

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.



54.5994, 0.4096, 0.2167



54.5994, 0.3023, 0.5981



54.5994, 0.1676, 0.1434

Square

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



54.5994, 0.3023, 0.5981



54.5994, 0.1024, 0.1999



54.5994, 0.2657, 0.1659



54.5994, 0.5780, 0.3644

Rectangle

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



54.5994, 0.3023, 0.5981



54.5994, 0.1405, 0.3715



54.5994, 0.2657, 0.1659



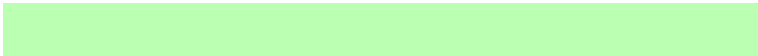
54.5994, 0.5040, 0.2622

Sweetspot

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



54.6017, 0.3023, 0.5981



85.2978, 0.3136, 0.4160



57.3282, 0.4417, 0.4874



17.9183, 0.3135, 0.4302



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.



54.6017, 0.3023, 0.5981



71.7636, 0.3021, 0.5983



55.0831, 0.2832, 0.5396



15.4083, 0.3132, 0.3531



31.1711, 0.3028, 0.5978



2.1849, 0.3095, 0.5924

Inverse Universe

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



17.9753, 0.2933, 0.1390



23.5890, 0.2931, 0.1388



18.0548, 0.4490, 0.2248



13.8559, 0.3121, 0.3058



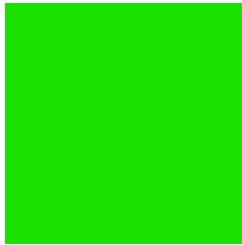
10.2798, 0.2937, 0.1392



0.7345, 0.2982, 0.1416

Previews

White Background



This preview shows how the Yxy color 54.5994, 0.3023, 0.5981 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 54.5994, 0.3023, 0.5981 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 54.5994, 0.3023, 0.5981

Background



This preview shows how black text looks on a background with the Yxy color 54.5994, 0.3023, 0.5981.



This preview shows how white text looks on a background with the Yxy color 54.5994, 0.3023, 0.5981.

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

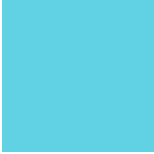
54.5994, 0.3023, 0.5981

Protanopia

53.4890, 0.4403, 0.4886

Deuteranopia

53.1434, 0.4619, 0.4508



Tritanopia

54.1806, 0.2365, 0.3062

Trichromacy



Original Color

54.5994, 0.3023, 0.5981



Protanomaly

50.4385, 0.3700, 0.5444



Deuteranomaly

48.8383, 0.3842, 0.5215



Tritanomaly

52.4957, 0.2689, 0.4375

Monochromacy



Original Color

54.5994, 0.3023, 0.5981



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

32.4438, 0.3128, 0.4741

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.5994, 0.3023, 0.5981 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(25, 226, 0)` looks like.

```
.text, #text, p{  
    color:rgb(25, 226, 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(25, 226, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 226, 0) }
```

Border

The CSS property to change the border of an element to Yxy 54.5994, 0.3023, 0.5981 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(25, 226, 0) }
```

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

```
.border{ border-color:rgb(25, 226, 0) }
```

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

Here you see how a box with a 4 pixel rgb(25, 226, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 226, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 226, 0);  
box-shadow:4px 4px 4px 4px rgb(25, 226, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 54.5994, 0.3023, 0.5981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 226, 0) }
```

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

```
.background{ background-color: rgb(25, 226,  
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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