

Converting Colors

$Yxy(64.0658, 0.2814, 0.5018)$

Have a look what the booklet for
Yxy(64.0658, 0.2814, 0.5018)
contains.

Yxy(63.9109, 0.2814, 0.5020)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(63.9109, 0.2814, 0.5020)

Conversions

Conversions Part 1

Format	Color
Hex	39EF76
RGB	57, 239, 118
RGB Percent	22%, 94%, 46%
CMY	0.7761, 0.0627, 0.5374
CMYK	0.76, 0.00, 0.51, 0.06
HSL	140°, 85%, 58%
HSV	140°, 76%, 94%
XYZ	35.8258, 63.9109, 27.5759
YIQ	170.7880, -69.6310, -76.2150

Conversions

Conversions Part 2

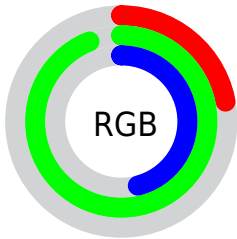
Format	Color
RYB	57, 193, 239
Decimal	3796854
CIELab	83.92, -69.51, 45.74
CIELCh	84, 83.206, 146.655
Yxy	63.9109, 0.2814, 0.5020
Android (android.graphics.Color)	4281986934 (0xFF39EF76)
YUV	170.7880, -26.0245, -99.7921
Hunter-Lab	79.9443, -59.9106, 35.5096

Details

The Yxy color **63.9109, 0.2814, 0.5020** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **24.5053, 0.3952, 0.2147**, and the grayscale version is **40.7841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2444, 0.2861, 0.4325**, and **33.4411, 0.2840, 0.5426** is the 20% darker color. If you saturate the color by 10%, you get **63.0209, 0.2828, 0.5257**, and if you desaturate by 10%, it is **65.2002, 0.2818, 0.4766**.

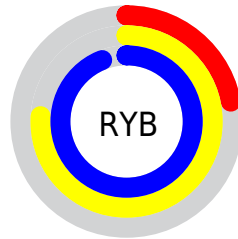
Distribution



Red (22%)

Green (94%)

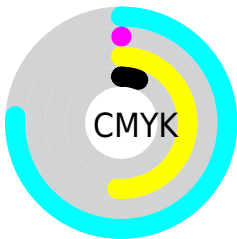
Blue (46%)



Red (22%)

Yellow (76%)

Blue (94%)

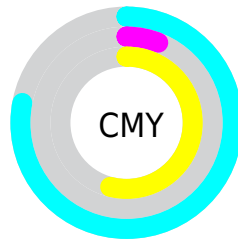


Cyan (76%)

Magenta (0%)

Yellow (51%)

Black (6%)



Cyan (78%)


Magenta (6%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.9109, 0.2814, 0.5020 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 63.9109, 0.2814, 0.5020 by changing the saturation by 10% instead.


 63.9109, 0.2814,
0.5020

 63.9109, 0.2814,
0.5020


438.8678, 0.3008,
0.4129


 46.5785, 0.2755,
0.5244

 110.4826, 0.2893,
0.4694

 32.7026, 0.2674,
0.5531


 140.4907, 0.2920,
0.4572

 21.8987, 0.2557,
0.5906


 175.4929, 0.2942,
0.4469

 13.7825, 0.2379,
0.6412

 215.8734, 0.2960,
0.4381

 7.9695, 0.2096,
0.7109

262.0168, 0.2975,
0.4305

 4.0755, 0.1675,
0.8325

314.3074, 0.2987,

 1.7159, 0.0000,

0.4239

1.0000

373.1296, 0.2998,
0.4181

■ 0.4339, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.9109, 0.2814,
0.5020

■ 63.9109, 0.2814,
0.5020

■ 63.0209, 0.2828,
0.5257

■ 65.2002, 0.2818,
0.4766


■ 62.4683, 0.2858,
0.5465


■ 66.9250, 0.2839,
0.4505


■ 62.3128, 0.2871,
0.5537


■ 69.1256, 0.2873,
0.4250


■ 71.8357, 0.2919,
0.4006

 75.0858, 0.2972,
0.3780

 78.9040, 0.3030,
0.3575

 83.3162, 0.3090,
0.3392

 88.3469, 0.3150,
0.3229

 90.2138, 0.3134,
0.3136

Harmonies

Analogous

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



63.9109, 0.3764, 0.5197



63.9109, 0.2814, 0.5020



63.9109, 0.2000, 0.4001

Triad

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



63.9109, 0.2814, 0.5020



63.9109, 0.1681, 0.1830



63.9109, 0.5015, 0.3272

Complementary

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



63.9109, 0.2814, 0.5020



24.5053, 0.3952, 0.2147

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.



63.9109, 0.4249, 0.2634



63.9109, 0.2814, 0.5020



63.9109, 0.2252, 0.1847

Square

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



63.9109, 0.2814, 0.5020



63.9109, 0.1447, 0.2133



63.9109, 0.3171, 0.2130



63.9109, 0.5110, 0.3972

Rectangle

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



63.9109, 0.2814, 0.5020



63.9109, 0.1648, 0.3204



63.9109, 0.3171, 0.2130



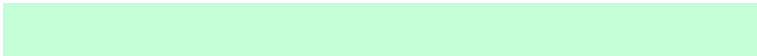
63.9109, 0.4825, 0.3050

Sweetspot

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



63.9135, 0.2814, 0.5020



88.2595, 0.2990, 0.3716



71.5382, 0.3663, 0.5235



18.5676, 0.2969, 0.3793



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.



63.9135, 0.2814, 0.5020



72.6335, 0.2842, 0.5369



67.1940, 0.2419, 0.3692



17.7437, 0.3070, 0.3451



34.4567, 0.2863, 0.5508



2.8843, 0.2790, 0.5243

Inverse Universe

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



24.5053, 0.3952, 0.2147



25.0588, 0.4176, 0.2113



21.9808, 0.5383, 0.3049



15.9362, 0.3189, 0.3134



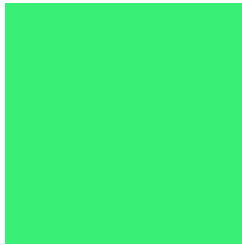
11.5501, 0.4278, 0.2130



0.9793, 0.4101, 0.2033

Previews

White Background



This preview shows how the Yxy color 63.9109, 0.2814, 0.5020 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 63.9109, 0.2814, 0.5020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

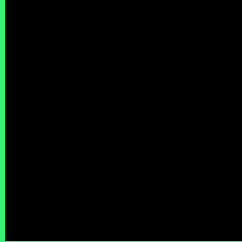
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

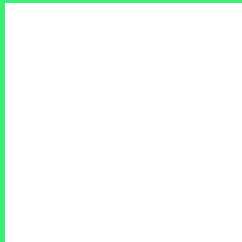
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.9109, 0.2814, 0.5020

Background



This preview shows how black text looks on a background with the Yxy color 63.9109, 0.2814, 0.5020.

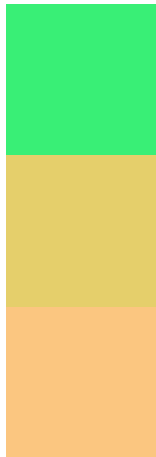


This preview shows how white text looks on a background with the Yxy color 63.9109, 0.2814, 0.5020.

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

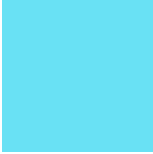
63.9109, 0.2814, 0.5020

Protanopia

62.3452, 0.4018, 0.4374

Deuteranopia

62.4559, 0.4109, 0.4018



Tritanopia

63.3853, 0.2363, 0.3052

Trichromacy



Original Color

63.9109, 0.2814, 0.5020



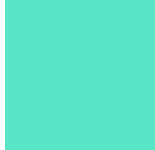
Protanomaly

59.9177, 0.3428, 0.4676



Deuteranomaly

58.7470, 0.3479, 0.4418



Tritanomaly

62.7456, 0.2522, 0.3723

Monochromacy



Original Color

63.9109, 0.2814, 0.5020



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

46.4927, 0.2934, 0.3941

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.9109, 0.2814, 0.5020 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(57, 239, 118)` looks like.

```
.text, #text, p{  
    color:rgb(57, 239, 118)  
}
```

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(57, 239, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 239, 118) }
```

Border

The CSS property to change the border of an element to Yxy 63.9109, 0.2814, 0.5020 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(57, 239, 118) }
```

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

```
.border{ border-color:rgb(57, 239, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 239, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 239, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 239, 118);  
box-shadow:4px 4px 4px 4px rgb(57, 239,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 63.9109, 0.2814, 0.5020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 239, 118) }
```

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

```
.background{ background-color: rgb(57, 239,  
118) }
```

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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