

Converting Colors

$Y_{xy}(62.6170, 0.3043, 0.5878)$

Have a look what the booklet for
Yxy(62.6170, 0.3043, 0.5878)
contains.

Yxy(62.4698, 0.3044, 0.5879)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(62.4698, 0.3044, 0.5879)

Conversions

Conversions Part 1

Format	Color
Hex	31EF1C
RGB	49, 239, 28
RGB Percent	19%, 94%, 11%
CMY	0.8074, 0.0627, 0.8906
CMYK	0.79, 0.00, 0.88, 0.06
HSL	114°, 87%, 52%
HSV	114°, 88%, 94%
XYZ	32.3453, 62.4698, 11.4441
YIQ	158.1360, -45.5090, -105.9010

Conversions

Conversions Part 2

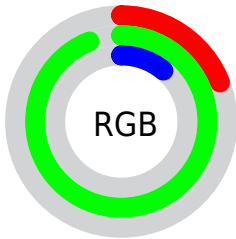
Format	Color
R _Y B	28, 239, 218
Decimal	3272476
CIE Lab	83.16, -78.34, 76.58
CIE LCh	83, 109.558, 135.650
Yxy	62.4698, 0.3044, 0.5879
Android (android.graphics.Color)	4281462556 (0xFF31EF1C)
YUV	158.1360, -64.1570, -95.7123
Hunter-Lab	79.0378, -65.2672, 46.7417

Details

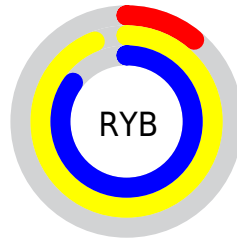
The Yxy color **62.4698, 0.3044, 0.5879** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **21.9307, 0.2983, 0.1459**, and the grayscale version is **34.5792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0690, 0.3176, 0.5206**, and **33.0477, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **61.9836, 0.3022, 0.5973**, and if you desaturate by 10%, it is **63.3042, 0.3068, 0.5703**.

Distribution



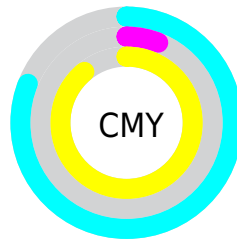
- Red (19%)
- Green (94%)
- Blue (11%)



- Red (11%)
- Yellow (94%)
- Blue (85%)



- Cyan (79%)
- Magenta (0%)
- Yellow (88%)
- Black (6%)





- Cyan (81%)
- Magenta (6%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.4698, 0.3044, 0.5879 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 62.4698, 0.3044, 0.5879 by changing the saturation by 10% instead.


 62.4698, 0.3044,
0.5879


 62.4698, 0.3044,
0.5879


 433.6427, 0.3206,
0.4567


 45.4124, 0.2966,
0.6183


 108.4042, 0.3132,
0.5414


 31.7824, 0.2847,
0.6550


 138.0501, 0.3156,
0.5234

 21.1953, 0.2662,
0.6990


 172.6609, 0.3173,
0.5081

 13.2669, 0.2401,
0.7599

 212.6210, 0.3185,
0.4949

 7.6126, 0.1922,
0.8078

 258.3148, 0.3194,
0.4834

 3.8481, 0.1200,
0.8800

 310.1268, 0.3199,

 1.5889, 0.0000,

0.4734

1.0000

368.4413, 0.3203,
0.4645

■ 0.3501, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.4698, 0.3044,
0.5879

■ 62.4698, 0.3044,
0.5879

■ 61.9836, 0.3022,
0.5973


■ 63.3042, 0.3068,
0.5703


■ 61.9278, 0.3019,
0.5985


■ 64.5316, 0.3089,
0.5449


■ 66.1965, 0.3107,
0.5137

■ 68.3352, 0.3120,
0.4793

 70.9803, 0.3128,
0.4442

 74.1615, 0.3132,
0.4102

 77.9063, 0.3133,
0.3787

 82.2400, 0.3130,
0.3502

 87.1868, 0.3126,
0.3250

Harmonies

Analogous

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



62.4698, 0.4194, 0.5471



62.4698, 0.3044, 0.5879



62.4698, 0.1967, 0.4874

Triad

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



62.4698, 0.3044, 0.5879



62.4698, 0.1217, 0.1558



62.4698, 0.5327, 0.2892

Complementary

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



62.4698, 0.3044, 0.5879



21.9307, 0.2983, 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.



62.4698, 0.4070, 0.2201



62.4698, 0.3044, 0.5879



62.4698, 0.1717, 0.1478

Square

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



62.4698, 0.3044, 0.5879



62.4698, 0.1072, 0.2040



62.4698, 0.2678, 0.1701



62.4698, 0.5705, 0.3661

Rectangle

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



62.4698, 0.3044, 0.5879



62.4698, 0.1455, 0.3702



62.4698, 0.2678, 0.1701



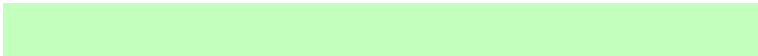
62.4698, 0.4978, 0.2649

Sweetspot

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



62.4724, 0.3044, 0.5879



86.8314, 0.3133, 0.4029



66.7157, 0.4361, 0.4853



18.2849, 0.3132, 0.4143



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.



62.4724, 0.3044, 0.5879



71.7346, 0.3018, 0.5985



63.0791, 0.2795, 0.5172



17.7323, 0.3131, 0.3533



34.2480, 0.3024, 0.5981



2.8744, 0.3077, 0.5939

Inverse Universe

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



21.9307, 0.2983, 0.1459



23.9405, 0.2952, 0.1400



21.6476, 0.4297, 0.2205



15.9460, 0.3122, 0.3056



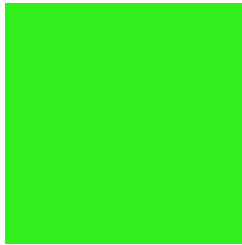
11.4597, 0.2958, 0.1403



0.9765, 0.2993, 0.1422

Previews

White Background



This preview shows how the Yxy color 62.4698, 0.3044, 0.5879 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 62.4698, 0.3044, 0.5879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

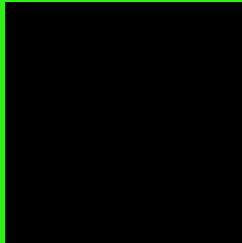
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.4698, 0.3044, 0.5879

Background



This preview shows how black text looks on a background with the Yxy color 62.4698, 0.3044, 0.5879.



This preview shows how white text looks on a background with the Yxy color 62.4698, 0.3044, 0.5879.

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

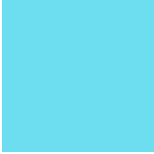
62.4698, 0.3044, 0.5879

Protanopia

61.1660, 0.4387, 0.4869

Deuteranopia

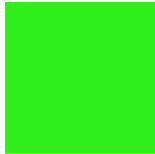
60.7982, 0.4496, 0.4407



Tritanopia

61.7850, 0.2387, 0.3062

Trichromacy



Original Color

62.4698, 0.3044, 0.5879



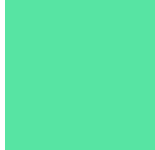
Protanomaly

58.1926, 0.3747, 0.5356



Deuteranomaly

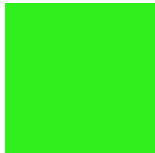
56.5973, 0.3824, 0.5047



Tritanomaly

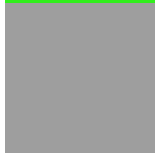
60.1574, 0.2683, 0.4216

Monochromacy



Original Color

62.4698, 0.3044, 0.5879



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

40.5399, 0.3122, 0.4503

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.4698, 0.3044, 0.5879 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(49, 239, 28)` looks like.

```
.text, #text, p{  
  color:rgb(49, 239, 28)  
}
```

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(49, 239, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 239, 28) }
```

Border

The CSS property to change the border of an element to Yxy 62.4698, 0.3044, 0.5879 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(49, 239, 28) }
```

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

```
.border{ border-color:rgb(49, 239, 28) }
```

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

Here you see how a box with a 4 pixel rgb(49, 239, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 239, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 239, 28);  
box-shadow:4px 4px 4px 4px rgb(49, 239,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 62.4698, 0.3044, 0.5879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 239, 28) }
```

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

```
.background{ background-color: rgb(49, 239,  
28) }
```

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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