

Converting Colors

$Y_{xy}(62.5426, 0.2793, 0.5152)$

Have a look what the booklet for
Yxy(62.5426, 0.2793, 0.5152)
contains.

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Color

Yxy(62.5509, 0.2792, 0.5148)

Conversions

Conversions Part 1

Format	Color
Hex	1EEE6E
RGB	30, 238, 110
RGB Percent	12%, 93%, 43%
CMY	0.8822, 0.0667, 0.5687
CMYK	0.87, 0.00, 0.54, 0.07
HSL	143°, 86%, 53%
HSV	143°, 87%, 93%
XYZ	33.9243, 62.5509, 25.0301
YIQ	161.2160, -82.8800, -83.9040

Conversions

Conversions Part 2

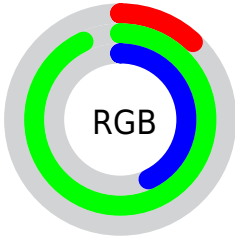
Format	Color
RYB	30, 180, 238
Decimal	2027118
CIELab	83.21, -72.94, 48.53
CIELCh	83, 87.606, 146.363
Yxy	62.5509, 0.2792, 0.5148
Android (android.graphics.Color)	4280217198 (0xFF1EEE6E)
YUV	161.2160, -25.2495, -115.0764
Hunter-Lab	79.0891, -61.8407, 36.5983

Details

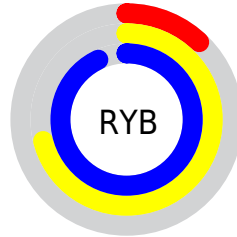
The Yxy color **62.5509, 0.2792, 0.5148** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed spring green. A complement of this color would be **21.5800, 0.4284, 0.2206**, and the grayscale version is **35.9018, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0519, 0.2844, 0.4446**, and **32.9379, 0.2876, 0.5552** is the 20% darker color. If you saturate the color by 10%, you get **62.0239, 0.2824, 0.5351**, and if you desaturate by 10%, it is **63.4027, 0.2777, 0.4923**.

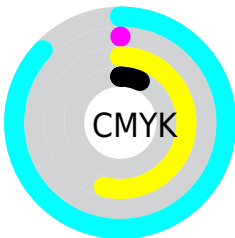
Distribution



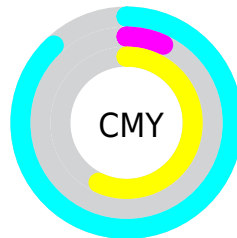
- Red (12%)
- Green (93%)
- Blue (43%)



- Red (12%)
- Yellow (71%)
- Blue (93%)



- Cyan (87%)
- Magenta (0%)
- Yellow (54%)
- Black (7%)





- Cyan (88%)
- Magenta (7%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.5509, 0.2792, 0.5148 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 62.5509, 0.2792, 0.5148 by changing the saturation by 10% instead.


 62.5509, 0.2792,
0.5148

 62.5509, 0.2792,
0.5148


433.9378, 0.3003,
0.4186


 45.4780, 0.2726,
0.5391

 108.5213, 0.2879,
0.4794


 31.8341, 0.2635,
0.5702


 138.1877, 0.2908,
0.4662

 21.2348, 0.2503,
0.6108


 172.8206, 0.2932,
0.4551

 13.2957, 0.2303,
0.6651

 212.8045, 0.2952,
0.4456

 7.6325, 0.1991,
0.7416

 258.5237, 0.2968,
0.4375

 3.8607, 0.1462,
0.8538

310.3628, 0.2982,

 1.5960, 0.0000,

0.4303

1.0000

368.7060, 0.2993,
0.4241

■ 0.3549, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.5509, 0.2792,
0.5148

■ 62.5509, 0.2792,
0.5148

■ 62.0239, 0.2824,
0.5351

■ 63.4027, 0.2777,
0.4923


■ 61.9150, 0.2834,
0.5401


■ 64.6287, 0.2781,
0.4684

■ 66.2751, 0.2802,
0.4441


■ 68.3793, 0.2840,
0.4204

 70.9746, 0.2889,
0.3978

 74.0909, 0.2947,
0.3768

 77.7557, 0.3011,
0.3576

 81.9946, 0.3077,
0.3404

 86.8314, 0.3145,
0.3252

Harmonies

Analogous

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



62.5509, 0.3785, 0.5301



62.5509, 0.2792, 0.5148



62.5509, 0.1942, 0.4057

Triad

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



62.5509, 0.2792, 0.5148



62.5509, 0.1611, 0.1763



62.5509, 0.5120, 0.3249

Complementary

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



62.5509, 0.2792, 0.5148



21.5800, 0.4284, 0.2206

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.



62.5509, 0.4303, 0.2591



62.5509, 0.2792, 0.5148



62.5509, 0.2198, 0.1781

Square

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



62.5509, 0.2792, 0.5148



62.5509, 0.1373, 0.2074



62.5509, 0.3158, 0.2071



62.5509, 0.5212, 0.3972

Rectangle

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



62.5509, 0.2792, 0.5148



62.5509, 0.1578, 0.3201



62.5509, 0.3158, 0.2071



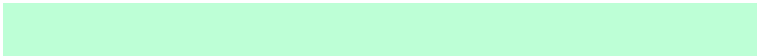
62.5509, 0.4919, 0.3021

Sweetspot

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



62.5534, 0.2792, 0.5148



87.1649, 0.2955, 0.3742



68.5437, 0.3580, 0.5457



18.3643, 0.2934, 0.3812



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.



62.5534, 0.2792, 0.5148



72.4021, 0.2835, 0.5407



66.2700, 0.2356, 0.3612



17.7570, 0.3063, 0.3439



34.5644, 0.2825, 0.5372



2.8943, 0.2752, 0.5107

Inverse Universe

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



21.5800, 0.4284, 0.2206



23.6939, 0.4508, 0.2257



19.3781, 0.5955, 0.3170



15.9224, 0.3197, 0.3146



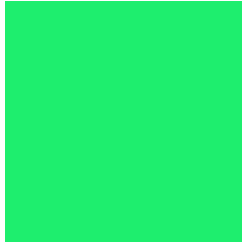
11.3340, 0.4476, 0.2239



0.9623, 0.4264, 0.2123

Previews

White Background



This preview shows how the Yxy color 62.5509, 0.2792, 0.5148 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 62.5509, 0.2792, 0.5148 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 62.5509, 0.2792, 0.5148

Background



This preview shows how black text looks on a background with the Yxy color 62.5509, 0.2792, 0.5148.



This preview shows how white text looks on a background with the Yxy color 62.5509, 0.2792, 0.5148.

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

62.5509, 0.2792, 0.5148

Protanopia

60.8944, 0.4062, 0.4436

Deuteranopia

61.0001, 0.4155, 0.4071



Tritanopia

62.2089, 0.2338, 0.3061

Trichromacy



Original Color

62.5509, 0.2792, 0.5148



Protanomaly

57.5735, 0.3394, 0.4792



Deuteranomaly

56.3079, 0.3440, 0.4519



Tritanomaly

61.3114, 0.2488, 0.3773

Monochromacy



Original Color

62.5509, 0.2792, 0.5148



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

41.8589, 0.2878, 0.4031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.5509, 0.2792, 0.5148 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(30, 238, 110)` looks like.

```
.text, #text, p{  
    color:rgb(30, 238, 110)  
}
```

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(30, 238, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 238, 110) }
```

Border

The CSS property to change the border of an element to Yxy 62.5509, 0.2792, 0.5148 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(30, 238, 110) }
```

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

```
.border{ border-color:rgb(30, 238, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 238, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 238, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 238, 110);  
box-shadow:4px 4px 4px 4px rgb(30, 238,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 62.5509, 0.2792, 0.5148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 238, 110) }
```

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

```
.background{ background-color: rgb(30, 238,  
110) }
```

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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