

Converting Colors

Yxy(59.8834, 0.2827, 0.4904)

Have a look what the booklet for
Yxy(59.8834, 0.2827, 0.4904)
contains.

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Color

Yxy(59.7975, 0.2824, 0.4898)

Conversions

Conversions Part 1

Format	Color
Hex	45E779
RGB	69, 231, 121
RGB Percent	27%, 91%, 47%
CMY	0.7297, 0.0941, 0.5255
CMYK	0.70, 0.00, 0.48, 0.09
HSL	139°, 77%, 59%
HSV	139°, 70%, 91%
XYZ	34.4770, 59.7975, 27.8111
YIQ	170.0220, -61.2420, -68.5540

Conversions

Conversions Part 2

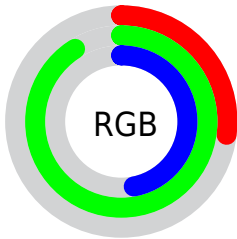
Format	Color
RYB	69, 192, 231
Decimal	4581241
CIELab	81.73, -64.65, 41.60
CIELCh	82, 76.881, 147.241
Yxy	59.7975, 0.2824, 0.4898
Android (android.graphics.Color)	4282771321 (0xFF45E779)
YUV	170.0220, -24.1678, -88.5963
Hunter-Lab	77.3288, -55.7415, 32.8067

Details

The Yxy color **59.7975, 0.2824, 0.4898** is a dark color, and the websafe version is hex **00CC66**. The color can be described as middle muted spring green. A complement of this color would be **24.4902, 0.3832, 0.2172**, and the grayscale version is **40.3464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8494, 0.2875, 0.4278**, and **30.7143, 0.2809, 0.5312** is the 20% darker color. If you saturate the color by 10%, you get **58.7603, 0.2827, 0.5149**, and if you desaturate by 10%, it is **61.2306, 0.2838, 0.4635**.

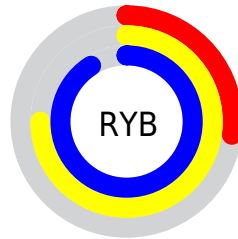
Distribution



Red (27%)

Green (91%)

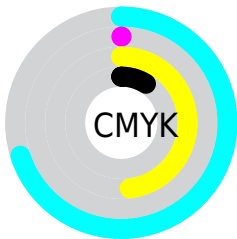
Blue (47%)



Red (27%)

Yellow (75%)

Blue (91%)

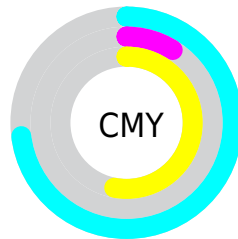


Cyan (70%)

Magenta (0%)

Yellow (48%)

Black (9%)



Cyan (73%)


Magenta (9%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.7975, 0.2824, 0.4898 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 59.7975, 0.2824, 0.4898 by changing the saturation by 10% instead.

 59.7975, 0.2824,
0.4898

 59.7975, 0.2824,
0.4898


423.8510, 0.3008,
0.4063


 43.2554, 0.2768,
0.5111


 104.5359, 0.2899,
0.4590

 30.0856, 0.2691,
0.5386


 133.5009, 0.2924,
0.4475

 19.9036, 0.2579,
0.5750


 167.3758, 0.2945,
0.4379

 12.3250, 0.2409,
0.6250

 206.5449, 0.2962,
0.4297

 6.9654, 0.2131,
0.6954

251.3925, 0.2977,
0.4227

 3.4405, 0.1707,
0.8293

302.3032, 0.2989,

 1.3658, 0.0000,

0.4165

1.0000

359.6612, 0.2999,
0.4111

■ 0.1913, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.7975, 0.2824,
0.4898

■ 59.7975, 0.2824,
0.4898

■ 58.7603, 0.2827,
0.5149

■ 61.2306, 0.2838,
0.4635


■ 58.0680, 0.2848,
0.5377


■ 63.0893, 0.2866,
0.4372


■ 57.6543, 0.2880,
0.5568


■ 65.4084, 0.2907,
0.4118

■ 68.2173, 0.2956,
0.3880

 71.5428, 0.3011,
0.3663

 75.4095, 0.3068,
0.3467

 79.8409, 0.3126,
0.3293

 84.8585, 0.3184,
0.3139

 85.6371, 0.3138,
0.3058

Harmonies

Analogous

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



59.7975, 0.3732, 0.5102



59.7975, 0.2824, 0.4898



59.7975, 0.2047, 0.3940

Triad

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



59.7975, 0.2824, 0.4898



59.7975, 0.1752, 0.1892



59.7975, 0.4923, 0.3299

Complementary

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



59.7975, 0.2824, 0.4898



24.4902, 0.3832, 0.2172

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.



59.7975, 0.4208, 0.2679



59.7975, 0.2824, 0.4898



59.7975, 0.2310, 0.1911

Square

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



59.7975, 0.2824, 0.4898



59.7975, 0.1519, 0.2183



59.7975, 0.3192, 0.2188



59.7975, 0.5012, 0.3975

Rectangle

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



59.7975, 0.2824, 0.4898



59.7975, 0.1710, 0.3197



59.7975, 0.3192, 0.2188



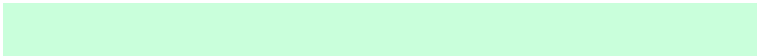
59.7975, 0.4746, 0.3083

Sweetspot

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



59.7999, 0.2824, 0.4898



89.0961, 0.3005, 0.3682



67.2512, 0.3675, 0.5106



18.8125, 0.2990, 0.3741



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.



59.7999, 0.2824, 0.4898



73.1046, 0.2834, 0.5250



62.6505, 0.2453, 0.3694



16.1651, 0.3072, 0.3454



32.3389, 0.2872, 0.5539



2.4062, 0.2790, 0.5244

Inverse Universe

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



24.4902, 0.3832, 0.2172



26.3854, 0.4032, 0.2090



22.1319, 0.5079, 0.3012



14.5323, 0.3187, 0.3132



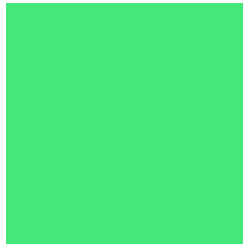
10.9086, 0.4224, 0.2100



0.8229, 0.4039, 0.1999

Previews

White Background



This preview shows how the Yxy color 59.7975, 0.2824, 0.4898 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 59.7975, 0.2824, 0.4898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

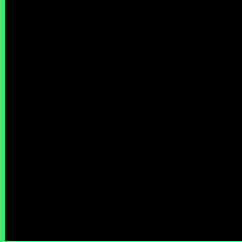
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.7975, 0.2824, 0.4898

Background



This preview shows how black text looks on a background with the Yxy color 59.7975, 0.2824, 0.4898.

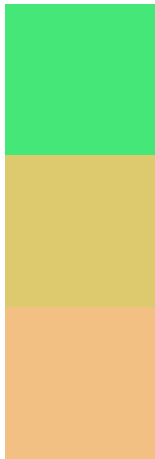


This preview shows how white text looks on a background with the Yxy color 59.7975, 0.2824, 0.4898.

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

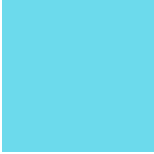
59.7975, 0.2824, 0.4898

Protanopia

58.2712, 0.3965, 0.4317

Deuteranopia

58.1882, 0.4050, 0.3961



Tritanopia

59.3871, 0.2390, 0.3059

Trichromacy



Original Color

59.7975, 0.2824, 0.4898



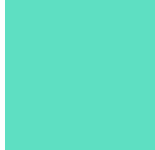
Protanomaly

56.4089, 0.3431, 0.4575



Deuteranomaly

55.2586, 0.3472, 0.4312



Tritanomaly

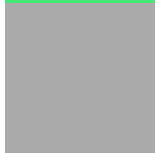
59.0501, 0.2545, 0.3689

Monochromacy



Original Color

59.7975, 0.2824, 0.4898



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

44.9528, 0.2954, 0.3885

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.7975, 0.2824, 0.4898 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(69, 231, 121)` looks like.

```
.text, #text, p{  
    color:rgb(69, 231, 121)  
}
```

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(69, 231, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 231, 121) }
```

Border

The CSS property to change the border of an element to Yxy 59.7975, 0.2824, 0.4898 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(69, 231, 121) }
```

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

```
.border{ border-color:rgb(69, 231, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 231, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 231, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 231, 121);  
box-shadow:4px 4px 4px 4px rgb(69, 231,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 59.7975, 0.2824, 0.4898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 231, 121) }
```

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

```
.background{ background-color: rgb(69, 231,  
121) }
```

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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