

Converting Colors

Yxy(58.7452, 0.2805, 0.4711)

Have a look what the booklet for
Yxy(58.7452, 0.2805, 0.4711)
contains.

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Color

Yxy(58.7452, 0.2805, 0.4711)

Conversions

Conversions Part 1

Format	Color
Hex	4EE483
RGB	78, 228, 131
RGB Percent	31%, 89%, 51%
CMY	0.6944, 0.1058, 0.4862
CMYK	0.66, 0.00, 0.43, 0.11
HSL	141°, 74%, 60%
HSV	141°, 66%, 89%
XYZ	34.9778, 58.7452, 30.9750
YIQ	172.0920, -58.2630, -61.9670

Conversions

Conversions Part 2

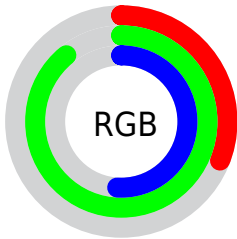
Format	Color
RYB	78, 189, 228
Decimal	5170307
CIELab	81.15, -60.45, 35.97
CIELCh	81, 70.340, 149.249
Yxy	58.7452, 0.2805, 0.4711
Android (android.graphics.Color)	4283360387 (0xFF4EE483)
YUV	172.0920, -20.2584, -82.5187
Hunter-Lab	76.6454, -52.6695, 29.6907

Details

The Yxy color **58.7452, 0.2805, 0.4711** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **25.0237, 0.3839, 0.2263**, and the grayscale version is **41.4209, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7736, 0.2855, 0.4142**, and **29.7050, 0.2751, 0.5104** is the 20% darker color. If you saturate the color by 10%, you get **57.5753, 0.2799, 0.4960**, and if you desaturate by 10%, it is **60.3103, 0.2828, 0.4458**.

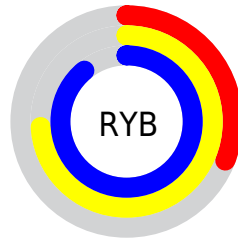
Distribution



Red (31%)

Green (89%)

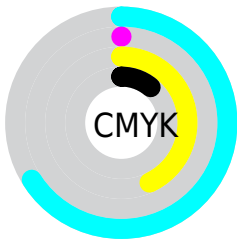
Blue (51%)



Red (31%)

Yellow (74%)

Blue (89%)

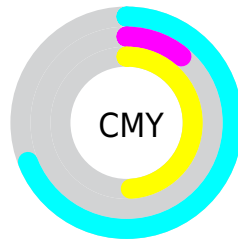


Cyan (66%)

Magenta (0%)

Yellow (43%)

Black (11%)



Cyan (69%)


Magenta (11%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.7452, 0.2805, 0.4711 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 58.7452, 0.2805, 0.4711 by changing the saturation by 10% instead.

 58.7452, 0.2805,
0.4711

 58.7452, 0.2805,
0.4711


419.9570, 0.2990,
0.3974

 42.4080, 0.2752,
0.4900


 103.0072, 0.2878,
0.4439


 29.4209, 0.2679,
0.5145


 131.7009, 0.2904,
0.4338

 19.3995, 0.2576,
0.5472


 165.2822, 0.2925,
0.4253

 11.9593, 0.2421,
0.5927

 204.1356, 0.2942,
0.4180

 6.7160, 0.2171,
0.6586

248.6453, 0.2957,
0.4118

 3.2851, 0.1843,
0.8071

299.1959, 0.2970,

 1.2823, 0.0000,

0.4064

1.0000

356.1716, 0.2981,
0.4016

■ 0.1275, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.7452, 0.2805,
0.4711

■ 58.7452, 0.2805,
0.4711

■ 57.5753, 0.2799,
0.4960

■ 60.3103, 0.2828,
0.4458

■ 56.7548, 0.2812,
0.5194


■ 62.2966, 0.2864,
0.4211

■ 56.2388, 0.2842,
0.5403


■ 64.7363, 0.2912,
0.3976


■ 56.0814, 0.2856,
0.5482

■ 67.6562, 0.2968,
0.3758

 71.0810, 0.3028,
0.3561

 75.0339, 0.3091,
0.3384

 79.5362, 0.3153,
0.3227

 83.5849, 0.3178,
0.3087

 83.9722, 0.3139,
0.3029

Harmonies

Analogous

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



58.7452, 0.3654, 0.4970



58.7452, 0.2805, 0.4711



58.7452, 0.2091, 0.3819

Triad

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



58.7452, 0.2805, 0.4711



58.7452, 0.1866, 0.1976



58.7452, 0.4808, 0.3356

Complementary

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



58.7452, 0.2805, 0.4711



25.0237, 0.3839, 0.2263

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.



58.7452, 0.4182, 0.2761



58.7452, 0.2805, 0.4711



58.7452, 0.2417, 0.2007

Square

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



58.7452, 0.2805, 0.4711



58.7452, 0.1624, 0.2237



58.7452, 0.3255, 0.2285



58.7452, 0.4866, 0.3998

Rectangle

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



58.7452, 0.2805, 0.4711



58.7452, 0.1785, 0.3152



58.7452, 0.3255, 0.2285



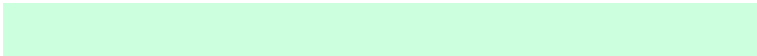
58.7452, 0.4656, 0.3150

Sweetspot

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



58.7476, 0.2805, 0.4711



89.6337, 0.3002, 0.3643



65.2103, 0.3624, 0.5039



18.9210, 0.2985, 0.3699



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.



58.7476, 0.2805, 0.4711



73.7681, 0.2802, 0.5048



61.5401, 0.2450, 0.3594



16.1730, 0.3068, 0.3446



32.4008, 0.2848, 0.5454



2.4115, 0.2766, 0.5157

Inverse Universe

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



25.0237, 0.3839, 0.2263



27.3057, 0.4053, 0.2163



22.8608, 0.4970, 0.3068



14.5241, 0.3192, 0.3139



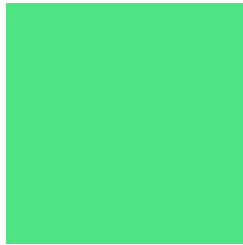
10.7700, 0.4351, 0.2170



0.8134, 0.4141, 0.2055

Previews

White Background



This preview shows how the Yxy color 58.7452, 0.2805, 0.4711 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 58.7452, 0.2805, 0.4711 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

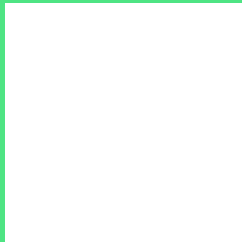
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.7452, 0.2805, 0.4711

Background



This preview shows how black text looks on a background with the Yxy color 58.7452, 0.2805, 0.4711.

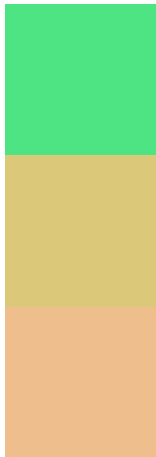


This preview shows how white text looks on a background with the Yxy color 58.7452, 0.2805, 0.4711.

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

58.7452, 0.2805, 0.4711

Protanopia

57.7247, 0.3885, 0.4211

Deuteranopia

57.3322, 0.3941, 0.3854



Tritanopia

58.4318, 0.2405, 0.3058

Trichromacy



Original Color

58.7452, 0.2805, 0.4711



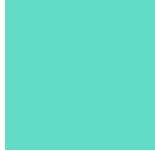
Protanomaly

55.8733, 0.3391, 0.4424



Deuteranomaly

54.6952, 0.3417, 0.4160



Tritanomaly

57.8703, 0.2543, 0.3605

Monochromacy



Original Color

58.7452, 0.2805, 0.4711



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

45.5369, 0.2957, 0.3802

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.7452, 0.2805, 0.4711 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(78, 228, 131)` looks like.

```
.text, #text, p{  
    color:rgb(78, 228, 131)  
}
```

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(78, 228, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 228, 131) }
```

Border

The CSS property to change the border of an element to Yxy 58.7452, 0.2805, 0.4711 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(78, 228, 131) }
```

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

```
.border{ border-color:rgb(78, 228, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 228, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 228, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 228, 131);  
box-shadow:4px 4px 4px 4px rgb(78, 228,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 58.7452, 0.2805, 0.4711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 228, 131) }
```

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

```
.background{ background-color: rgb(78, 228,  
131) }
```

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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