

Converting Colors

Yxy(57.6459, 0.2790, 0.4619)

Have a look what the booklet for
Yxy(57.6459, 0.2790, 0.4619)
contains.

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Color

Yxy(57.8475, 0.2791, 0.4629)

Conversions

Conversions Part 1

Format	Color
Hex	50E287
RGB	80, 226, 135
RGB Percent	31%, 89%, 53%
CMY	0.6862, 0.1137, 0.4707
CMYK	0.65, 0.00, 0.40, 0.11
HSL	143°, 72%, 60%
HSV	143°, 65%, 89%
XYZ	34.8785, 57.8475, 32.2416
YIQ	171.9720, -57.8050, -59.2530

Conversions

Conversions Part 2

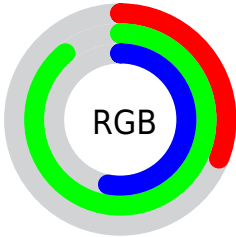
Format	Color
R _Y B	80, 186, 226
Decimal	5300871
CIE Lab	80.65, -58.64, 33.34
CIE LCh	81, 67.459, 150.382
Yxy	57.8475, 0.2791, 0.4629
Android (android.graphics.Color)	4283490951 (0xFF50E287)
YUV	171.9720, -18.2272, -80.6594
Hunter-Lab	76.0575, -51.2442, 28.1066

Details

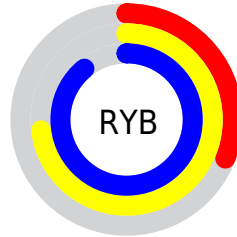
The Yxy color **57.8475, 0.2791, 0.4629** is a light color, and the websafe version is hex **33CC66**. The color can be described as light muted spring green. A complement of this color would be **24.8533, 0.3865, 0.2310**, and the grayscale version is **41.3602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0338, 0.2840, 0.4090**, and **29.0160, 0.2724, 0.5006** is the 20% darker color. If you saturate the color by 10%, you get **56.6546, 0.2782, 0.4872**, and if you desaturate by 10%, it is **59.4284, 0.2817, 0.4385**.

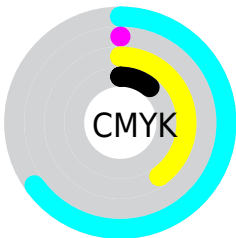
Distribution



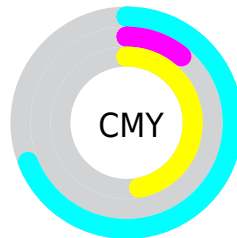
- Red (31%)
- Green (89%)
- Blue (53%)



- Red (31%)
- Yellow (73%)
- Blue (89%)



- Cyan (65%)
- Magenta (0%)
- Yellow (40%)
- Black (11%)





- Cyan (69%)
- Magenta (11%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.8475, 0.2791, 0.4629 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 57.8475, 0.2791, 0.4629 by changing the saturation by 10% instead.


 57.8475, 0.2791,
0.4629


 57.8475, 0.2791,
0.4629


416.6174, 0.2980,
0.3934


 41.6861, 0.2738,
0.4808


 101.7008, 0.2864,
0.4372

 28.8555, 0.2666,
0.5040


 130.1614, 0.2891,
0.4277

 18.9716, 0.2564,
0.5351


 163.4905, 0.2912,
0.4197

 11.6497, 0.2413,
0.5787

 202.0725, 0.2930,
0.4129

 6.5057, 0.2171,
0.6425

246.2918, 0.2945,
0.4070

 3.1549, 0.1829,
0.7780

296.5328, 0.2959,

 1.2131, 0.0000,

0.4019

1.0000

353.1799, 0.2970,
0.3974

■ 0.0724, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.8475, 0.2791,
0.4629

■ 57.8475, 0.2791,
0.4629

■ 56.6546, 0.2782,
0.4872

■ 59.4284, 0.2817,
0.4385

■ 55.8059, 0.2792,
0.5103


■ 61.4220, 0.2857,
0.4148

■ 55.2592, 0.2819,
0.5314


■ 63.8592, 0.2909,
0.3923


■ 55.0514, 0.2838,
0.5418


■ 66.7656, 0.2968,
0.3716

 70.1652, 0.3031,
0.3529

 74.0800, 0.3097,
0.3361

 78.5309, 0.3163,
0.3212

 82.4143, 0.3187,
0.3078

 82.8743, 0.3140,
0.3009

Harmonies

Analogous

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



57.8475, 0.3613, 0.4912



57.8475, 0.2791, 0.4629



57.8475, 0.2106, 0.3763

Triad

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



57.8475, 0.2791, 0.4629



57.8475, 0.1918, 0.2011



57.8475, 0.4762, 0.3385

Complementary

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



57.8475, 0.2791, 0.4629



24.8533, 0.3865, 0.2310

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.



57.8475, 0.4175, 0.2800



57.8475, 0.2791, 0.4629



57.8475, 0.2468, 0.2050

Square

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



57.8475, 0.2791, 0.4629



57.8475, 0.1670, 0.2257



57.8475, 0.3287, 0.2329



57.8475, 0.4802, 0.4010

Rectangle

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



57.8475, 0.2791, 0.4629



57.8475, 0.1814, 0.3128



57.8475, 0.3287, 0.2329



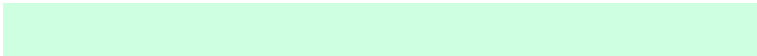
57.8475, 0.4621, 0.3182

Sweetspot

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



57.8499, 0.2791, 0.4629



90.1454, 0.3002, 0.3611



63.7990, 0.3602, 0.5021



19.0234, 0.2984, 0.3666



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.



57.8499, 0.2791, 0.4629



74.0017, 0.2784, 0.4965



60.5836, 0.2446, 0.3553



15.4222, 0.3065, 0.3440



31.4272, 0.2830, 0.5389



2.1954, 0.2743, 0.5075

Inverse Universe

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



24.8533, 0.3865, 0.2310



27.3984, 0.4100, 0.2207



22.8214, 0.4951, 0.3095



13.8436, 0.3195, 0.3145



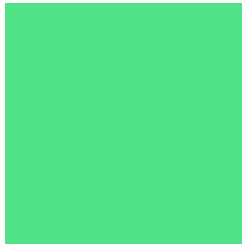
10.3438, 0.4439, 0.2219



0.7342, 0.4199, 0.2087

Previews

White Background



This preview shows how the Yxy color 57.8475, 0.2791, 0.4629 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 57.8475, 0.2791, 0.4629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

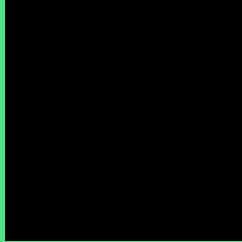
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.8475, 0.2791, 0.4629

Background



This preview shows how black text looks on a background with the Yxy color 57.8475, 0.2791, 0.4629.

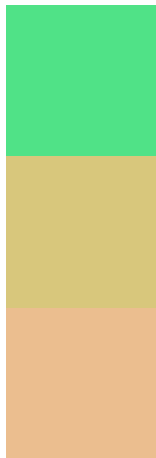


This preview shows how white text looks on a background with the Yxy color 57.8475, 0.2791, 0.4629.

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

57.8475, 0.2791, 0.4629

Protanopia

56.9010, 0.3835, 0.4166

Deuteranopia

56.4722, 0.3895, 0.3817



Tritanopia

57.8066, 0.2412, 0.3069

Trichromacy



Original Color

57.8475, 0.2791, 0.4629



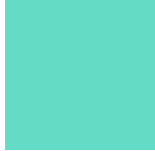
Protanomaly

55.3749, 0.3360, 0.4365



Deuteranomaly

54.1890, 0.3390, 0.4112



Tritanomaly

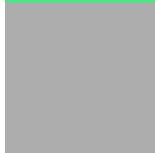
57.4036, 0.2544, 0.3592

Monochromacy



Original Color

57.8475, 0.2791, 0.4629



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

45.6914, 0.2951, 0.3770

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.8475, 0.2791, 0.4629 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(80, 226, 135)` looks like.

```
.text, #text, p{  
    color:rgb(80, 226, 135)  
}
```

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(80, 226, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 226, 135) }
```

Border

The CSS property to change the border of an element to Yxy 57.8475, 0.2791, 0.4629 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(80, 226, 135) }
```

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

```
.border{ border-color:rgb(80, 226, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 226, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 226, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 226, 135);  
box-shadow:4px 4px 4px 4px rgb(80, 226,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 57.8475, 0.2791, 0.4629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 226, 135) }
```

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

```
.background{ background-color: rgb(80, 226,  
135) }
```

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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