

Converting Colors

$Yxy(58.8319, 0.2704, 0.4374)$

Have a look what the booklet for
Yxy(58.8319, 0.2704, 0.4374)
contains.

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Color

Yxy(58.8674, 0.2706, 0.4381)

Conversions

Conversions Part 1

Format	Color
Hex	4FE398
RGB	79, 227, 152
RGB Percent	31%, 89%, 60%
CMY	0.6901, 0.1098, 0.4040
CMYK	0.65, 0.00, 0.33, 0.11
HSL	150°, 73%, 60%
HSV	150°, 65%, 89%
XYZ	36.3605, 58.8674, 39.1419
YIQ	174.1980, -64.1330, -54.7010

Conversions

Conversions Part 2

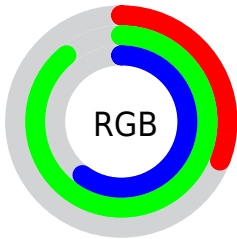
Format	Color
RYB	79, 178, 227
Decimal	5235608
CIELab	81.22, -56.08, 25.41
CIELCh	81, 61.567, 155.624
Yxy	58.8674, 0.2706, 0.4381
Android (android.graphics.Color)	4283425688 (0xFF4FE398)
YUV	174.1980, -10.9436, -83.4886
Hunter-Lab	76.7251, -49.6767, 23.4603

Details

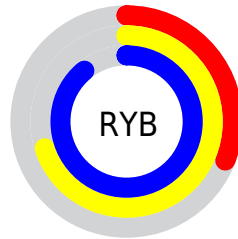
The Yxy color **58.8674, 0.2706, 0.4381** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **24.2608, 0.4125, 0.2483**, and the grayscale version is **42.5192, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7758, 0.2748, 0.3863**, and **29.6696, 0.2636, 0.4691** is the 20% darker color. If you saturate the color by 10%, you get **57.6977, 0.2691, 0.4582**, and if you desaturate by 10%, it is **60.4107, 0.2740, 0.4182**.

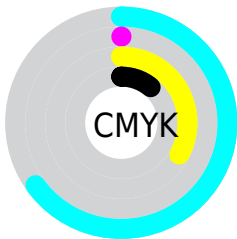
Distribution



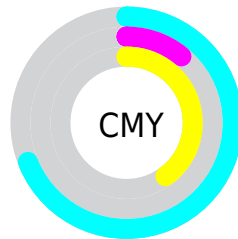
- Red (31%)
- Green (89%)
- Blue (60%)



- Red (31%)
- Yellow (70%)
- Blue (89%)



- Cyan (65%)
- Magenta (0%)
- Yellow (33%)
- Black (11%)




- Cyan (69%)
- Magenta (11%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.8674, 0.2706, 0.4381 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 58.8674, 0.2706, 0.4381 by changing the saturation by 10% instead.


 58.8674, 0.2706,
0.4381


 58.8674, 0.2706,
0.4381


420.4103, 0.2926,
0.3821

 42.5064, 0.2649,
0.4524


 103.1849, 0.2788,
0.4175


 29.4980, 0.2574,
0.4710

 131.9102, 0.2818,
0.4098

 19.4579, 0.2472,
0.4959


 165.5257, 0.2843,
0.4033

 12.0016, 0.2327,
0.5308

 204.4159, 0.2865,
0.3978

 6.7448, 0.2106,
0.5828

248.9650, 0.2883,
0.3931

 3.3030, 0.1746,
0.6675

299.5575, 0.2899,

 1.2919, 0.0000,

0.3890

1.0000

356.5778, 0.2913,
0.3853

■ 0.1349, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.8674, 0.2706,
0.4381

■ 58.8674, 0.2706,
0.4381

■ 57.6977, 0.2691,
0.4582

■ 60.4107, 0.2740,
0.4182

■ 56.8580, 0.2696,
0.4779


■ 62.3518, 0.2790,
0.3991


■ 56.3060, 0.2721,
0.4967


■ 64.7212, 0.2852,
0.3811

■ 56.1084, 0.2737,
0.5053

■ 67.5443, 0.2924,
0.3644

 70.8443, 0.3002,
0.3492

 74.6431, 0.3084,
0.3355

 78.9609, 0.3167,
0.3233

 82.7349, 0.3211,
0.3123

 83.4204, 0.3140,
0.3019

Harmonies

Analogous

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



58.8674, 0.3457, 0.4756



58.8674, 0.2706, 0.4381



58.8674, 0.2111, 0.3569

Triad

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



58.8674, 0.2706, 0.4381



58.8674, 0.2082, 0.2099



58.8674, 0.4658, 0.3494

Complementary

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



58.8674, 0.2706, 0.4381



24.2608, 0.4125, 0.2483

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.



58.8674, 0.4201, 0.2935



58.8674, 0.2706, 0.4381



58.8674, 0.2643, 0.2174

Square

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



58.8674, 0.2706, 0.4381



58.8674, 0.1800, 0.2285



58.8674, 0.3422, 0.2470



58.8674, 0.4620, 0.4073

Rectangle

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



58.8674, 0.2706, 0.4381



58.8674, 0.1872, 0.3017



58.8674, 0.3422, 0.2470



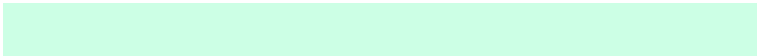
58.8674, 0.4558, 0.3302

Sweetspot

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



58.8698, 0.2706, 0.4381



90.0226, 0.2963, 0.3565



62.5211, 0.3476, 0.5115



19.0137, 0.2941, 0.3609



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.



58.8698, 0.2706, 0.4381



74.7021, 0.2690, 0.4648



62.0145, 0.2368, 0.3320



16.2071, 0.3049, 0.3412



32.7448, 0.2730, 0.5027



2.4385, 0.2655, 0.4757

Inverse Universe

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



24.2608, 0.4125, 0.2483



26.5302, 0.4443, 0.2419



22.5277, 0.5227, 0.3272



14.4893, 0.3213, 0.3171



10.2709, 0.4925, 0.2486



0.7777, 0.4606, 0.2311

Previews

White Background



This preview shows how the Yxy color 58.8674, 0.2706, 0.4381 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 58.8674, 0.2706, 0.4381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

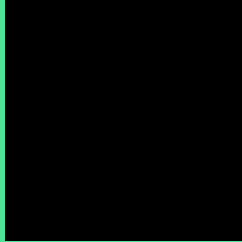
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.8674, 0.2706, 0.4381

Background



This preview shows how black text looks on a background with the Yxy color 58.8674, 0.2706, 0.4381.



This preview shows how white text looks on a background with the Yxy color 58.8674, 0.2706, 0.4381.

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

58.8674, 0.2706, 0.4381

Protanopia

57.8009, 0.3713, 0.3996

Deuteranopia

57.5610, 0.3730, 0.3652



Tritanopia

58.7544, 0.2396, 0.3070

Trichromacy



Original Color

58.8674, 0.2706, 0.4381



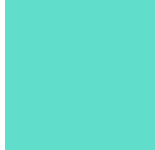
Protanomaly

56.2138, 0.3246, 0.4166



Deuteranomaly

55.4441, 0.3251, 0.3914



Tritanomaly

58.6139, 0.2503, 0.3519

Monochromacy



Original Color

58.8674, 0.2706, 0.4381



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

46.3821, 0.2903, 0.3679

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.8674, 0.2706, 0.4381 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(79, 227, 152)` looks like.

```
.text, #text, p{  
    color:rgb(79, 227, 152)  
}
```

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(79, 227, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 227, 152) }
```

Border

The CSS property to change the border of an element to Yxy 58.8674, 0.2706, 0.4381 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(79, 227, 152) }
```

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

```
.border{ border-color:rgb(79, 227, 152) }
```

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

Here you see how a box with a 4 pixel rgb(79, 227, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 227, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 227, 152);  
box-shadow:4px 4px 4px 4px rgb(79, 227,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 58.8674, 0.2706, 0.4381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 227, 152) }
```

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

```
.background{ background-color: rgb(79, 227,  
152) }
```

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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