

Converting Colors

$Yxy(58.7859, 0.2748, 0.3776)$

Have a look what the booklet for
Yxy(58.7859, 0.2748, 0.3776)
contains.

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Color

Yxy(58.5940, 0.2749, 0.3778)

Conversions

Conversions Part 1

Format	Color
Hex	7FDBB7
RGB	127, 219, 183
RGB Percent	50%, 86%, 72%
CMY	0.5018, 0.1412, 0.2823
CMYK	0.42, 0.00, 0.16, 0.14
HSL	157°, 56%, 68%
HSV	157°, 42%, 86%
XYZ	42.6350, 58.5940, 53.8637
YIQ	187.3880, -43.2760, -30.7000

Conversions

Conversions Part 2

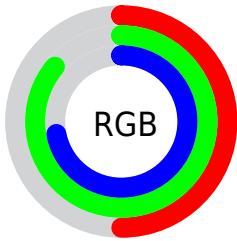
Format	Color
RYB	127, 184, 219
Decimal	8379319
CIELab	81.07, -35.65, 9.18
CIELCh	81, 36.812, 165.556
Yxy	58.5940, 0.2749, 0.3778
Android (android.graphics.Color)	4286569399 (0xFF7FDBB7)
YUV	187.3880, -2.1633, -52.9603
Hunter-Lab	76.5467, -34.5359, 11.8621

Details

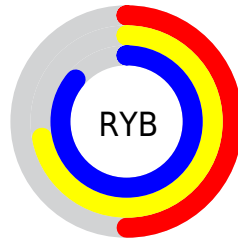
The Yxy color **58.5940, 0.2749, 0.3778** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **32.8932, 0.3774, 0.2859**, and the grayscale version is **49.9610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8193, 0.2795, 0.3463**, and **29.1457, 0.2645, 0.3908** is the 20% darker color. If you saturate the color by 10%, you get **56.7469, 0.2684, 0.3920**, and if you desaturate by 10%, it is **60.8330, 0.2827, 0.3645**.

Distribution



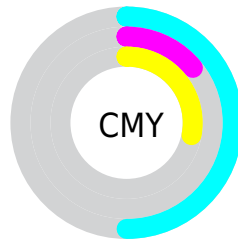
- Red (50%)
- Green (86%)
- Blue (72%)



- Red (50%)
- Yellow (72%)
- Blue (86%)



- Cyan (42%)
- Magenta (0%)
- Yellow (16%)
- Black (14%)




- Cyan (50%)
- Magenta (14%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.5940, 0.2749, 0.3778 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 58.5940, 0.2749, 0.3778 by changing the saturation by 10% instead.


 58.5940, 0.2749,
0.3778

 58.5940, 0.2749,
0.3778


419.3957, 0.2934,
0.3536


 42.2864, 0.2704,
0.3838


 102.7874, 0.2815,
0.3690

 29.3256, 0.2647,
0.3915


 131.4419, 0.2841,
0.3657

 19.3273, 0.2572,
0.4016


 164.9808, 0.2862,
0.3629

 11.9070, 0.2470,
0.4157

203.7886, 0.2880,
0.3605

 6.6804, 0.2323,
0.4363

248.2496, 0.2897,
0.3584

 3.2630, 0.2093,
0.4696

298.7481, 0.2911,

 1.2705, 0.1304,

0.3566

0.5629

355.6687, 0.2923,
0.3550

■ 0.1182, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.5940, 0.2749,
0.3778

■ 58.5940, 0.2749,
0.3778

■ 56.7469, 0.2684,
0.3920

■ 60.8330, 0.2827,
0.3645

■ 55.2604, 0.2635,
0.4068


■ 63.4790, 0.2915,
0.3522


■ 54.1096, 0.2604,
0.4220


■ 66.5548, 0.3009,
0.3410

■ 53.2634, 0.2594,
0.4374

■ 70.0793, 0.3107,
0.3309


 52.6845, 0.2604,
0.4525

 74.0706, 0.3207,
0.3219

 52.3638, 0.2623,
0.4643

 77.8881, 0.3282,
0.3137

 78.3940, 0.3223,
0.3054

 78.9241, 0.3166,
0.2972

 79.1426, 0.3144,
0.2940

Harmonies

Analogous

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



58.5940, 0.3204, 0.4096



58.5940, 0.2749, 0.3778



58.5940, 0.2411, 0.3309

Triad

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



58.5940, 0.2749, 0.3778



58.5940, 0.2576, 0.2527



58.5940, 0.4077, 0.3585

Complementary

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



58.5940, 0.2749, 0.3778



32.8932, 0.3774, 0.2859

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.



58.5940, 0.3888, 0.3205



58.5940, 0.2749, 0.3778



58.5940, 0.2991, 0.2622

Square

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



58.5940, 0.2749, 0.3778



58.5940, 0.2320, 0.2609



58.5940, 0.3478, 0.2863



58.5940, 0.3986, 0.3929

Rectangle

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



58.5940, 0.2749, 0.3778



58.5940, 0.2289, 0.3009



58.5940, 0.3478, 0.2863



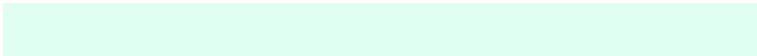
58.5940, 0.4044, 0.3458

Sweetspot

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



58.5964, 0.2749, 0.3778



93.4382, 0.2998, 0.3422



60.0693, 0.3320, 0.4488



19.7846, 0.2977, 0.3446



0.0000, 0.0000, 0.0000



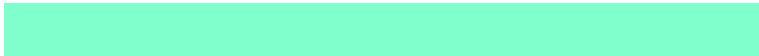
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.5964, 0.2749, 0.3778



80.4829, 0.2693, 0.3897



55.6250, 0.2537, 0.3168



14.7387, 0.3034, 0.3383



31.0716, 0.2617, 0.4621



2.0297, 0.2550, 0.4379

Inverse Universe

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



32.8932, 0.3774, 0.2859



39.7587, 0.3974, 0.2778



34.2668, 0.4161, 0.3405



13.1355, 0.3231, 0.3199



9.3457, 0.5402, 0.2749



0.6221, 0.4966, 0.2509

Previews

White Background



This preview shows how the Yxy color 58.5940, 0.2749, 0.3778 looks on a white background.

Color Contrast Check

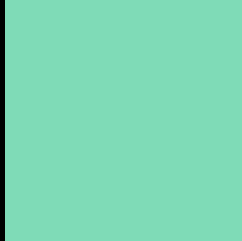
Large Text (above 18pt) WCAG AA × Fail

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 58.5940, 0.2749, 0.3778 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 58.5940, 0.2749, 0.3778

Background



This preview shows how black text looks on a background with the Yxy color 58.5940, 0.2749, 0.3778.



This preview shows how white text looks on a background with the Yxy color 58.5940, 0.2749, 0.3778.

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

58.5940, 0.2749, 0.3778

Protanopia

58.0273, 0.3410, 0.3612

Deuteranopia

57.6181, 0.3422, 0.3348



Tritanopia

58.2891, 0.2547, 0.3063

Trichromacy



Original Color

58.5940, 0.2749, 0.3778



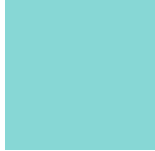
Protanomaly

57.5033, 0.3132, 0.3670



Deuteranomaly

56.6050, 0.3141, 0.3488



Tritanomaly

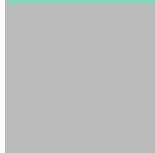
58.5559, 0.2621, 0.3314

Monochromacy



Original Color

58.5940, 0.2749, 0.3778



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

52.3914, 0.2959, 0.3460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.5940, 0.2749, 0.3778 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(127, 219, 183)` looks like.

```
.text, #text, p{  
    color:rgb(127, 219, 183)  
}
```

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(127, 219, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 219, 183) }
```

Border

The CSS property to change the border of an element to Yxy 58.5940, 0.2749, 0.3778 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(127, 219, 183) }
```

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

```
.border{ border-color:rgb(127, 219, 183) }
```

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

Here you see how a box with a 4 pixel rgb(127, 219, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 219, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 219, 183);  
box-shadow:4px 4px 4px 4px rgb(127, 219,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 58.5940, 0.2749, 0.3778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 219, 183) }
```

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

```
.background{ background-color: rgb(127,  
219, 183) }
```

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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