

Converting Colors

$Yxy(59.7565, 0.2637, 0.3957)$

Have a look what the booklet for
Yxy(59.7565, 0.2637, 0.3957)
contains.

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Color

Yxy(59.4977, 0.2633, 0.3948)

Conversions

Conversions Part 1

Format	Color
Hex	5FE1B2
RGB	95, 225, 178
RGB Percent	37%, 88%, 70%
CMY	0.6275, 0.1176, 0.3019
CMYK	0.58, 0.00, 0.21, 0.12
HSL	158°, 68%, 63%
HSV	158°, 58%, 88%
XYZ	39.6802, 59.4977, 51.5255
YIQ	180.7720, -62.3930, -42.1770

Conversions

Conversions Part 2

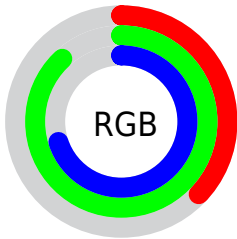
Format	Color
RYB	95, 174, 225
Decimal	6283698
CIELab	81.56, -46.84, 12.36
CIELCh	82, 48.446, 165.218
Yxy	59.4977, 0.2633, 0.3948
Android (android.graphics.Color)	4284473778 (0xFF5FE1B2)
YUV	180.7720, -1.3666, -75.2220
Hunter-Lab	77.1348, -43.1606, 14.3890

Details

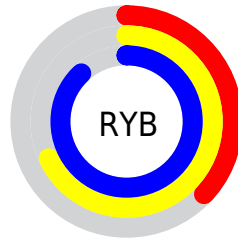
The Yxy color **59.4977, 0.2633, 0.3948** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **26.1398, 0.4227, 0.2761**, and the grayscale version is **46.1101, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4291, 0.2680, 0.3528**, and **29.9582, 0.2502, 0.4145** is the 20% darker color. If you saturate the color by 10%, you get **58.1475, 0.2592, 0.4087**, and if you desaturate by 10%, it is **61.2198, 0.2692, 0.3814**.

Distribution



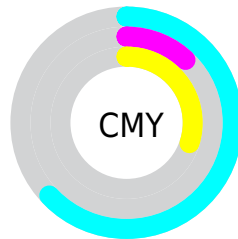
- Red (37%)
- Green (88%)
- Blue (70%)



- Red (37%)
- Yellow (68%)
- Blue (88%)



- Cyan (58%)
- Magenta (0%)
- Yellow (21%)
- Black (12%)



- Cyan (63%)
- Magenta (12%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.4977, 0.2633, 0.3948 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 59.4977, 0.2633, 0.3948 by changing the saturation by 10% instead.

 59.4977, 0.2633,
0.3948


 59.4977, 0.2633,
0.3948

422.7438, 0.2876,
0.3619


 43.0139, 0.2574,
0.4030


 104.1007, 0.2720,
0.3828


 29.8960, 0.2499,
0.4135


 132.9886, 0.2753,
0.3784

 19.7597, 0.2401,
0.4275


 166.7801, 0.2781,
0.3746

 12.2205, 0.2267,
0.4468

 205.8595, 0.2805,
0.3713

 6.8940, 0.2075,
0.4754

250.6111, 0.2826,
0.3685

 3.3959, 0.1779,
0.5214

301.4195, 0.2845,

 1.3418, 0.0377,

0.3660

0.6899

358.6689, 0.2861,
0.3638

■ 0.1732, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.4977, 0.2633,
0.3948

■ 59.4977, 0.2633,
0.3948

■ 58.1475, 0.2592,
0.4087

■ 61.2198, 0.2692,
0.3814

■ 57.1310, 0.2571,
0.4227


■ 63.3343, 0.2766,
0.3687


■ 56.4137, 0.2570,
0.4368

■ 65.8684, 0.2852,
0.3569


■ 55.9453, 0.2588,
0.4505

■ 68.8448, 0.2946,
0.3460

 55.8580, 0.2593,
0.4535

 72.2846, 0.3047,
0.3360

 76.2075, 0.3150,
0.3271

 80.6321, 0.3255,
0.3192

 81.5878, 0.3219,
0.3113

 82.0900, 0.3165,
0.3035

Harmonies

Analogous

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



59.4977, 0.3217, 0.4372



59.4977, 0.2633, 0.3948



59.4977, 0.2208, 0.3309

Triad

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



59.4977, 0.2633, 0.3948



59.4977, 0.2411, 0.2319



59.4977, 0.4369, 0.3637

Complementary

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



59.4977, 0.2633, 0.3948



26.1398, 0.4227, 0.2761

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.



59.4977, 0.4121, 0.3160



59.4977, 0.2633, 0.3948



59.4977, 0.2936, 0.2440

Square

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



59.4977, 0.2633, 0.3948



59.4977, 0.2097, 0.2413



59.4977, 0.3573, 0.2738



59.4977, 0.4239, 0.4089

Rectangle

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



59.4977, 0.2633, 0.3948



59.4977, 0.2058, 0.2913



59.4977, 0.3573, 0.2738



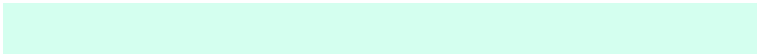
59.4977, 0.4328, 0.3477

Sweetspot

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



59.5001, 0.2633, 0.3948



91.7171, 0.2953, 0.3453



60.4875, 0.3324, 0.4994



19.4478, 0.2933, 0.3474



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.



59.5001, 0.2633, 0.3948



76.9650, 0.2587, 0.4110



52.8179, 0.2359, 0.3055



15.4839, 0.3030, 0.3376



32.2094, 0.2587, 0.4514



2.2495, 0.2528, 0.4302

Inverse Universe

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



26.1398, 0.4227, 0.2761



28.8308, 0.4593, 0.2704



28.4915, 0.4767, 0.3487



13.7820, 0.3236, 0.3206



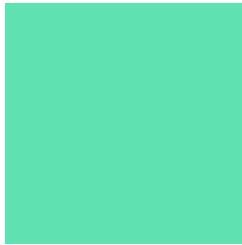
9.5895, 0.5524, 0.2817



0.6814, 0.5099, 0.2582

Previews

White Background



This preview shows how the Yxy color 59.4977, 0.2633, 0.3948 looks on a white background.

Color Contrast Check

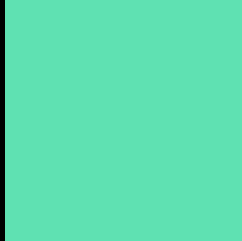
Large Text (above 18pt) WCAG AA × Fail

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 59.4977, 0.2633, 0.3948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

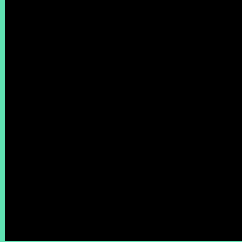
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

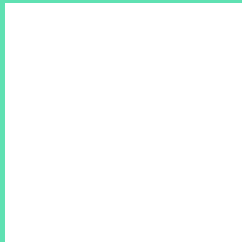
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.4977, 0.2633, 0.3948

Background



This preview shows how black text looks on a background with the Yxy color 59.4977, 0.2633, 0.3948.

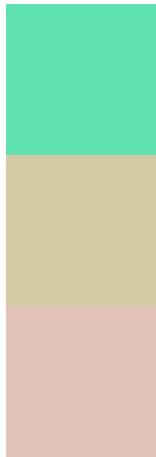


This preview shows how white text looks on a background with the Yxy color 59.4977, 0.2633, 0.3948.

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

59.4977, 0.2633, 0.3948

Protanopia

58.6726, 0.3486, 0.3705

Deuteranopia

58.4172, 0.3469, 0.3393



Tritanopia

59.2013, 0.2416, 0.3059

Trichromacy



Original Color

59.4977, 0.2633, 0.3948



Protanomaly

57.5415, 0.3103, 0.3808



Deuteranomaly

56.6237, 0.3091, 0.3582



Tritanomaly

59.1672, 0.2493, 0.3368

Monochromacy



Original Color

59.4977, 0.2633, 0.3948



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

49.7118, 0.2890, 0.3523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.4977, 0.2633, 0.3948 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(95, 225, 178)` looks like.

```
.text, #text, p{  
    color:rgb(95, 225, 178)  
}
```

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(95, 225, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 225, 178) }
```

Border

The CSS property to change the border of an element to Yxy 59.4977, 0.2633, 0.3948 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(95, 225, 178) }
```

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

```
.border{ border-color:rgb(95, 225, 178) }
```

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

Here you see how a box with a 4 pixel rgb(95, 225, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 225, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 225, 178);  
box-shadow:4px 4px 4px 4px rgb(95, 225,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 59.4977, 0.2633, 0.3948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 225, 178) }
```

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

```
.background{ background-color: rgb(95, 225,  
178) }
```

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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