

Converting Colors

$Yxy(60.1298, 0.2711, 0.4298)$

Have a look what the booklet for
Yxy(60.1298, 0.2711, 0.4298)
contains.

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Color

Yxy(59.9817, 0.2708, 0.4292)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 57E49E |
| RGB | 87, 228, 158 |
| RGB Percent | 34%, 89%, 62% |
| CMY | 0.6588, 0.1059, 0.3804 |
| CMYK | 0.62, 0.00, 0.31, 0.11 |
| HSL | 150°, 72%, 62% |
| HSV | 150°, 62%, 89% |
| XYZ | 37.8449, 59.9817, 41.9257 |
| YIQ | 177.8610, -61.5660, -51.6620 |

Conversions

Conversions Part 2

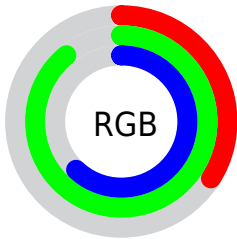
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 87, 181, 228 |
| Decimal | 5760158 |
| CIELab | 81.83, -53.83, 23.17 |
| CIELCh | 82, 58.606, 156.715 |
| Yxy | 59.9817, 0.2708, 0.4292 |
| Android (android.graphics.Color) | 4283950238 (0xFF57E49E) |
| YUV | 177.8610, -9.7915, -79.6851 |
| Hunter-Lab | 77.4479, -48.3096, 22.1174 |

Details

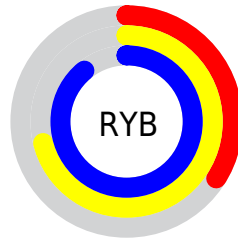
The Yxy color **59.9817, 0.2708, 0.4292** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **25.7472, 0.4071, 0.2526**, and the grayscale version is **44.5221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7137, 0.2752, 0.3783**, and **30.1664, 0.2605, 0.4579** is the 20% darker color. If you saturate the color by 10%, you get **58.6824, 0.2686, 0.4488**, and if you desaturate by 10%, it is **61.6682, 0.2748, 0.4100**.

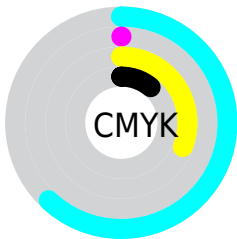
Distribution



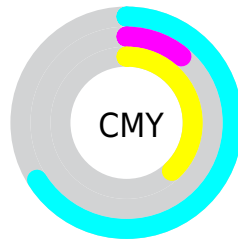
- Red (34%)
- Green (89%)
- Blue (62%)



- Red (34%)
- Yellow (71%)
- Blue (89%)



- Cyan (62%)
- Magenta (0%)
- Yellow (31%)
- Black (11%)





- Cyan (66%)
- Magenta (11%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.9817, 0.2708, 0.4292 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 59.9817, 0.2708, 0.4292 by changing the saturation by 10% instead.


 59.9817, 0.2708,
0.4292


 59.9817, 0.2708,
0.4292


424.5303, 0.2924,
0.3781


 43.4039, 0.2653,
0.4422

 104.8031, 0.2788,
0.4105


 30.2021, 0.2581,
0.4589


 133.8155, 0.2817,
0.4035

 19.9921, 0.2484,
0.4813


 167.7416, 0.2842,
0.3976

 12.3893, 0.2348,
0.5127

 206.9656, 0.2863,
0.3926

 7.0094, 0.2144,
0.5592

251.8722, 0.2881,
0.3882

 3.4680, 0.1811,
0.6339

302.8455, 0.2897,

 1.3806, 0.0000,

0.3844

1.0000

360.2701, 0.2911,
0.3811

■ 0.2024, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.9817, 0.2708,
0.4292

■ 59.9817, 0.2708,
0.4292

■ 58.6824, 0.2686,
0.4488

■ 61.6682, 0.2748,
0.4100

■ 57.7281, 0.2683,
0.4684


■ 63.7651, 0.2804,
0.3916

■ 57.0796, 0.2701,
0.4872


■ 66.3021, 0.2871,
0.3743


■ 56.7222, 0.2727,
0.5018


■ 69.3040, 0.2947,
0.3585

 72.7937, 0.3028,
0.3441

 76.7928, 0.3112,
0.3312

 81.3212, 0.3196,
0.3198

 83.5617, 0.3181,
0.3090

 83.9692, 0.3139,
0.3029

Harmonies

Analogous

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



59.9817, 0.3421, 0.4669



59.9817, 0.2708, 0.4292



59.9817, 0.2147, 0.3526

Triad

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



59.9817, 0.2708, 0.4292



59.9817, 0.2147, 0.2152



59.9817, 0.4584, 0.3513

Complementary

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



59.9817, 0.2708, 0.4292



25.7472, 0.4071, 0.2526

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.



59.9817, 0.4166, 0.2974



59.9817, 0.2708, 0.4292



59.9817, 0.2694, 0.2231

Square

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



59.9817, 0.2708, 0.4292



59.9817, 0.1865, 0.2325



59.9817, 0.3438, 0.2522



59.9817, 0.4537, 0.4066

Rectangle

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



59.9817, 0.2708, 0.4292



59.9817, 0.1923, 0.3011



59.9817, 0.3438, 0.2522



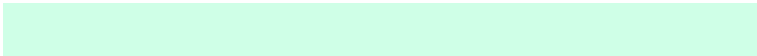
59.9817, 0.4494, 0.3328

Sweetspot

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



59.9841, 0.2708, 0.4292



90.4869, 0.2968, 0.3544



63.3965, 0.3455, 0.5038



19.1055, 0.2945, 0.3587



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.



59.9841, 0.2708, 0.4292



75.2725, 0.2683, 0.4540



63.1175, 0.2379, 0.3288



16.2096, 0.3048, 0.3409



32.7760, 0.2720, 0.4992



2.4408, 0.2646, 0.4726

Inverse Universe

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



25.7472, 0.4071, 0.2526



27.7297, 0.4374, 0.2448



24.0004, 0.5098, 0.3296



14.4868, 0.3215, 0.3174



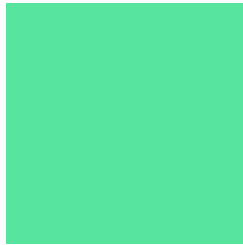
10.2394, 0.4969, 0.2511



0.7754, 0.4643, 0.2331

Previews

White Background



This preview shows how the Yxy color 59.9817, 0.2708, 0.4292 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 59.9817, 0.2708, 0.4292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

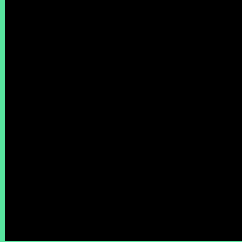
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.9817, 0.2708, 0.4292

Background



This preview shows how black text looks on a background with the Yxy color 59.9817, 0.2708, 0.4292.



This preview shows how white text looks on a background with the Yxy color 59.9817, 0.2708, 0.4292.

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

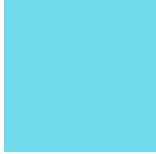
59.9817, 0.2708, 0.4292

Protanopia

59.0681, 0.3669, 0.3946

Deuteranopia

58.8292, 0.3683, 0.3605



Tritanopia

59.7096, 0.2410, 0.3060

Trichromacy



Original Color

59.9817, 0.2708, 0.4292



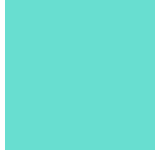
Protanomaly

57.3366, 0.3236, 0.4088



Deuteranomaly

56.6107, 0.3238, 0.3840



Tritanomaly

59.7397, 0.2514, 0.3476

Monochromacy



Original Color

59.9817, 0.2708, 0.4292



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

48.4399, 0.2914, 0.3641

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.9817, 0.2708, 0.4292 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(87, 228, 158)` looks like.

```
.text, #text, p{  
    color:rgb(87, 228, 158)  
}
```

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(87, 228, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 228, 158) }
```

Border

The CSS property to change the border of an element to Yxy 59.9817, 0.2708, 0.4292 is called "border". The border property can be set on classes, ids or directly on the HTML element.

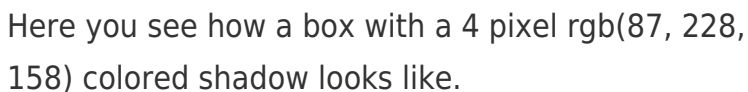
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(87, 228, 158) }
```

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

```
.border{ border-color:rgb(87, 228, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(87, 228, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(87, 228, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(87, 228, 158); box-shadow:4px 4px 4px 4px rgb(87, 228, 158) }
```


Background

The CSS property to change the background color of an element to Yxy 59.9817, 0.2708, 0.4292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 228, 158) }
```

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

```
.background{ background-color: rgb(87, 228,  
158) }
```

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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