

Converting Colors

$Y_{xy}(59.9319, 0.2631, 0.4047)$

Have a look what the booklet for
Yxy(59.9319, 0.2631, 0.4047)
contains.

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Color

Yxy(59.9815, 0.2632, 0.4053)

Conversions

Conversions Part 1

Format	Color
Hex	57E3AD
RGB	87, 227, 173
RGB Percent	34%, 89%, 68%
CMY	0.6583, 0.1098, 0.3216
CMYK	0.62, 0.00, 0.24, 0.11
HSL	157°, 71%, 62%
HSV	157°, 62%, 89%
XYZ	38.9517, 59.9815, 49.0596
YIQ	178.9840, -66.1060, -46.4740

Conversions

Conversions Part 2

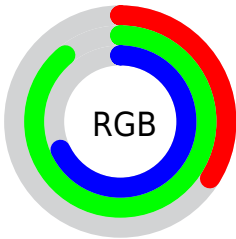
Format	Color
RYB	87, 174, 227
Decimal	5759917
CIELab	81.83, -50.28, 15.34
CIElCh	82, 52.569, 163.031
Yxy	59.9815, 0.2632, 0.4053
Android (android.graphics.Color)	4283949997 (0xFF57E3AD)
YUV	178.9840, -2.9501, -80.6700
Hunter-Lab	77.4477, -45.7584, 16.6559

Details

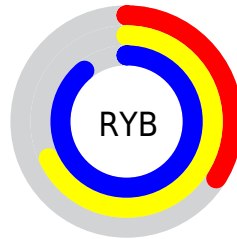
The Yxy color **59.9815, 0.2632, 0.4053** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **25.0954, 0.4292, 0.2698**, and the grayscale version is **45.1330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5667, 0.2676, 0.3589**, and **30.5063, 0.2518, 0.4264** is the 20% darker color. If you saturate the color by 10%, you get **58.7275, 0.2600, 0.4203**, and if you desaturate by 10%, it is **61.6061, 0.2682, 0.3907**.

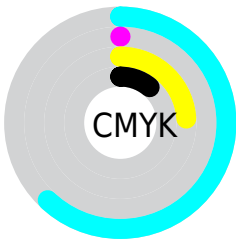
Distribution



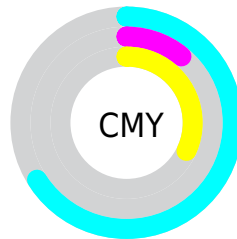
- Red (34%)
- Green (89%)
- Blue (68%)



- Red (34%)
- Yellow (68%)
- Blue (89%)



- Cyan (62%)
- Magenta (0%)
- Yellow (24%)
- Black (11%)





- Cyan (66%)
- Magenta (11%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.9815, 0.2632, 0.4053 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 59.9815, 0.2632, 0.4053 by changing the saturation by 10% instead.


 59.9815, 0.2632,
0.4053

 59.9815, 0.2632,
0.4053


424.5296, 0.2877,
0.3669

 43.4037, 0.2572,
0.4149

 104.8028, 0.2720,
0.3913


 30.2020, 0.2495,
0.4273


 133.8152, 0.2754,
0.3861

 19.9920, 0.2394,
0.4437


 167.7412, 0.2782,
0.3816

 12.3892, 0.2256,
0.4666

 206.9652, 0.2806,
0.3778

 7.0093, 0.2056,
0.5005

251.8716, 0.2828,
0.3746

 3.4679, 0.1746,
0.5551

302.8449, 0.2846,

 1.3806, 0.0098,

0.3717

0.7885

360.2694, 0.2863,
0.3692

■ 0.2024, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.9815, 0.2632,
0.4053

■ 59.9815, 0.2632,
0.4053

■ 58.7275, 0.2600,
0.4203

■ 61.6061, 0.2682,
0.3907

■ 57.8031, 0.2589,
0.4355


■ 63.6236, 0.2748,
0.3767

■ 57.1702, 0.2598,
0.4504


■ 66.0628, 0.2827,
0.3636

■ 56.8084, 0.2618,
0.4626


■ 68.9479, 0.2916,
0.3515

 72.3010, 0.3012,
0.3405

 76.1428, 0.3111,
0.3305

 80.4929, 0.3212,
0.3216

 82.6712, 0.3217,
0.3132

 83.2137, 0.3160,
0.3048

Harmonies

Analogous

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



59.9815, 0.3265, 0.4486



59.9815, 0.2632, 0.4053



59.9815, 0.2163, 0.3356

Triad

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



59.9815, 0.2632, 0.4053



59.9815, 0.2324, 0.2250



59.9815, 0.4464, 0.3615

Complementary

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



59.9815, 0.2632, 0.4053



25.0954, 0.4292, 0.2698

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.



59.9815, 0.4169, 0.3110



59.9815, 0.2632, 0.4053



59.9815, 0.2871, 0.2364

Square

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



59.9815, 0.2632, 0.4053



59.9815, 0.2010, 0.2363



59.9815, 0.3557, 0.2669



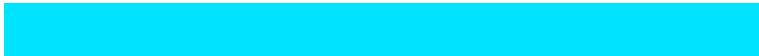
59.9815, 0.4346, 0.4108

Rectangle

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



59.9815, 0.2632, 0.4053



59.9815, 0.1992, 0.2919



59.9815, 0.3557, 0.2669



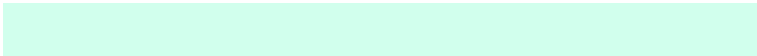
59.9815, 0.4411, 0.3444

Sweetspot

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



59.9839, 0.2632, 0.4053



91.2207, 0.2949, 0.3475



61.4710, 0.3356, 0.5089



19.2629, 0.2922, 0.3508



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.



59.9839, 0.2632, 0.4053



76.0724, 0.2595, 0.4247



55.1704, 0.2339, 0.3101



16.2372, 0.3033, 0.3382



33.1570, 0.2612, 0.4604



2.4682, 0.2553, 0.4390

Inverse Universe

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



25.0954, 0.4292, 0.2698



27.0600, 0.4688, 0.2650



26.3515, 0.4973, 0.3443



14.4596, 0.3232, 0.3200



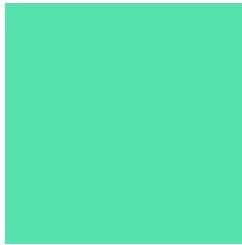
9.9528, 0.5429, 0.2764



0.7532, 0.5036, 0.2548

Previews

White Background



This preview shows how the Yxy color 59.9815, 0.2632, 0.4053 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 59.9815, 0.2632, 0.4053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

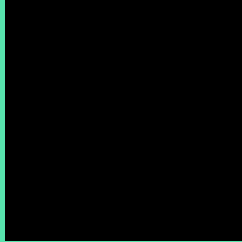
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.9815, 0.2632, 0.4053

Background



This preview shows how black text looks on a background with the Yxy color 59.9815, 0.2632, 0.4053.

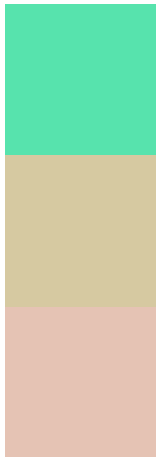


This preview shows how white text looks on a background with the Yxy color 59.9815, 0.2632, 0.4053.

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

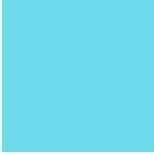
59.9815, 0.2632, 0.4053

Protanopia

58.6426, 0.3533, 0.3763

Deuteranopia

58.9835, 0.3524, 0.3460



Tritanopia

60.0342, 0.2400, 0.3072

Trichromacy



Original Color

59.9815, 0.2632, 0.4053



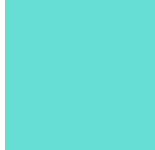
Protanomaly

57.1346, 0.3121, 0.3878



Deuteranomaly

57.1471, 0.3109, 0.3673



Tritanomaly

59.8714, 0.2482, 0.3408

Monochromacy



Original Color

59.9815, 0.2632, 0.4053



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

48.7652, 0.2881, 0.3554

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.9815, 0.2632, 0.4053 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, 227, 173)` looks like.

```
.text, #text, p{  
    color:rgb(87, 227, 173)  
}
```

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, 227, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 227, 173) }
```

Border

The CSS property to change the border of an element to Yxy 59.9815, 0.2632, 0.4053 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, 227, 173) }
```

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

```
.border{ border-color:rgb(87, 227, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 227, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 227, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 227, 173);  
box-shadow:4px 4px 4px 4px rgb(87, 227,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 59.9815, 0.2632, 0.4053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 227, 173) }
```

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

```
.background{ background-color: rgb(87, 227,  
173) }
```

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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