

Converting Colors

$Y_{xy}(59.2594, 0.2463, 0.3678)$

Have a look what the booklet for
Yxy(59.2594, 0.2463, 0.3678)
contains.

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Color

Yxy(59.2594, 0.2463, 0.3678)

Conversions

Conversions Part 1

Format	Color
Hex	48E1C5
RGB	72, 225, 197
RGB Percent	28%, 88%, 77%
CMY	0.7171, 0.1177, 0.2274
CMYK	0.68, 0.00, 0.12, 0.12
HSL	169°, 72%, 58%
HSV	169°, 68%, 88%
XYZ	39.6835, 59.2594, 62.1756
YIQ	176.0610, -82.2000, -41.1440

Conversions

Conversions Part 2

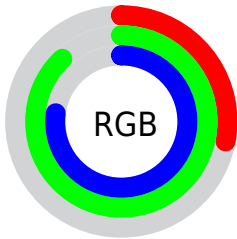
Format	Color
RYB	72, 156, 225
Decimal	4776389
CIELab	81.43, -46.27, 2.06
CIELCh	81, 46.316, 177.447
Yxy	59.2594, 0.2463, 0.3678
Android (android.graphics.Color)	4282966469 (0xFF48E1C5)
YUV	176.0610, 10.3229, -91.2615
Hunter-Lab	76.9801, -42.6979, 5.9985

Details

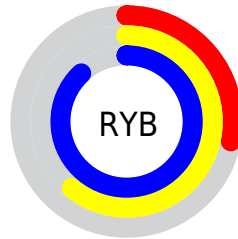
The Yxy color **59.2594, 0.2463, 0.3678** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted cyan. A complement of this color would be **21.5806, 0.4981, 0.3013**, and the grayscale version is **43.4466, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0790, 0.2517, 0.3299**, and **30.3591, 0.2383, 0.3779** is the 20% darker color. If you saturate the color by 10%, you get **58.3615, 0.2428, 0.3745**, and if you desaturate by 10%, it is **60.4835, 0.2518, 0.3612**.

Distribution



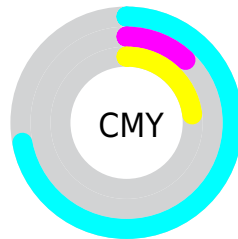
- Red (28%)
- Green (88%)
- Blue (77%)



- Red (28%)
- Yellow (61%)
- Blue (88%)



- Cyan (68%)
- Magenta (0%)
- Yellow (12%)
- Black (12%)




- Cyan (72%)
- Magenta (12%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.2594, 0.2463, 0.3678 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 59.2594, 0.2463, 0.3678 by changing the saturation by 10% instead.


 59.2594, 0.2463,
0.3678


 59.2594, 0.2463,
0.3678


421.8625, 0.2780,
0.3491

 42.8220, 0.2388,
0.3723


 103.7546, 0.2575,
0.3612


 29.7455, 0.2295,
0.3778


 132.5811, 0.2618,
0.3586

 19.6455, 0.2176,
0.3851


 166.3062, 0.2655,
0.3565

 12.1376, 0.2017,
0.3948

 205.3141, 0.2686,
0.3546

 6.8375, 0.1798,
0.4084

249.9893, 0.2714,
0.3530

 3.3607, 0.1478,
0.4287

300.7162, 0.2739,

 1.3228, 0.0277,

0.3515

0.4980

357.8791, 0.2761,
0.3502

■ 0.1587, 0.0000,
0.8472

■ 0.0000, 0.0000,
0.0000

■ 59.2594, 0.2463,
0.3678

■ 59.2594, 0.2463,
0.3678

■ 58.3615, 0.2428,
0.3745

■ 60.4835, 0.2518,
0.3612

■ 57.7463, 0.2412,
0.3811


■ 62.0579, 0.2592,
0.3548


■ 57.3653, 0.2413,
0.3877


■ 64.0122, 0.2682,
0.3487

■ 57.2998, 0.2414,
0.3890


■ 66.3709, 0.2786,
0.3429

 69.1566, 0.2902,
0.3376

 72.3901, 0.3025,
0.3326

 76.0908, 0.3154,
0.3281

 80.2772, 0.3286,
0.3241

 81.0523, 0.3278,
0.3200

Harmonies

Analogous

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



59.2594, 0.2978, 0.4198



59.2594, 0.2463, 0.3678



59.2594, 0.2143, 0.3071

Triad

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



59.2594, 0.2463, 0.3678



59.2594, 0.2624, 0.2380



59.2594, 0.4309, 0.3813

Complementary

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



59.2594, 0.2463, 0.3678



21.5806, 0.4981, 0.3013

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.



59.2594, 0.4218, 0.3353



59.2594, 0.2463, 0.3678



59.2594, 0.3190, 0.2571

Square

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



59.2594, 0.2463, 0.3678



59.2594, 0.2232, 0.2383



59.2594, 0.3792, 0.2916



59.2594, 0.4055, 0.4204

Rectangle

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



59.2594, 0.2463, 0.3678



59.2594, 0.2064, 0.2740



59.2594, 0.3792, 0.2916



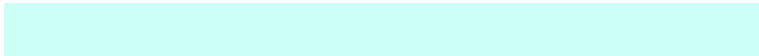
59.2594, 0.4319, 0.3662

Sweetspot

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



59.2617, 0.2463, 0.3678



90.9906, 0.2875, 0.3387



57.0350, 0.3154, 0.5390



19.2467, 0.2842, 0.3402



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.



59.2617, 0.2463, 0.3678



77.0938, 0.2418, 0.3775



38.1002, 0.2172, 0.2593



15.5270, 0.3006, 0.3333



33.0368, 0.2411, 0.3880



2.3013, 0.2383, 0.3778

Inverse Universe

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



21.5806, 0.4981, 0.3013



23.8491, 0.5590, 0.3042



30.0388, 0.4941, 0.3805



13.7413, 0.3263, 0.3247



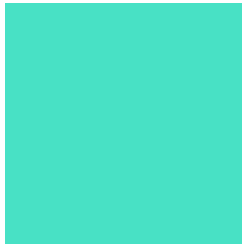
9.3297, 0.6111, 0.3140



0.6588, 0.5699, 0.2913

Previews

White Background



This preview shows how the Yxy color 59.2594, 0.2463, 0.3678 looks on a white background.

Color Contrast Check

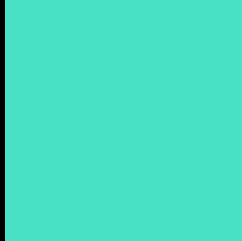
Large Text (above 18pt) WCAG AA × Fail

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 59.2594, 0.2463, 0.3678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

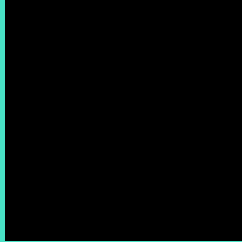
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

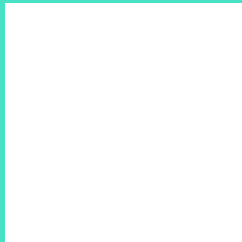
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.2594, 0.2463, 0.3678

Background



This preview shows how black text looks on a background with the Yxy color 59.2594, 0.2463, 0.3678.



This preview shows how white text looks on a background with the Yxy color 59.2594, 0.2463, 0.3678.

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

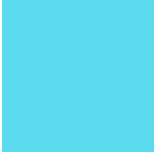
59.2594, 0.2463, 0.3678

Protanopia

58.1373, 0.3317, 0.3493

Deuteranopia

58.0033, 0.3253, 0.3177



Tritanopia

59.0016, 0.2327, 0.3056

Trichromacy



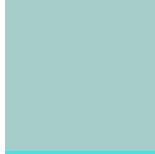
Original Color

59.2594, 0.2463, 0.3678



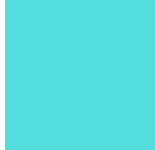
Protanomaly

56.6027, 0.2907, 0.3563



Deuteranomaly

55.9867, 0.2870, 0.3340



Tritanomaly

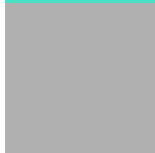
58.8716, 0.2375, 0.3274

Monochromacy



Original Color

59.2594, 0.2463, 0.3678



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

47.4475, 0.2777, 0.3429

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.2594, 0.2463, 0.3678 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(72, 225, 197)` looks like.

```
.text, #text, p{  
    color:rgb(72, 225, 197)  
}
```

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(72, 225, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 225, 197) }
```

Border

The CSS property to change the border of an element to Yxy 59.2594, 0.2463, 0.3678 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(72, 225, 197) }
```

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

```
.border{ border-color:rgb(72, 225, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 225, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 225, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 225, 197);  
box-shadow:4px 4px 4px 4px rgb(72, 225,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 59.2594, 0.2463, 0.3678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 225, 197) }
```

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

```
.background{ background-color: rgb(72, 225,  
197) }
```

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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