

Converting Colors

$Yxy(58.9751, 0.2393, 0.3329)$

Have a look what the booklet for
Yxy(58.9751, 0.2393, 0.3329)
contains.

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Color

Yxy(59.1893, 0.2395, 0.3341)

Conversions

Conversions Part 1

Format	Color
Hex	54DEDA
RGB	84, 222, 218
RGB Percent	33%, 87%, 85%
CMY	0.6709, 0.1294, 0.1450
CMYK	0.62, 0.00, 0.02, 0.13
HSL	178°, 68%, 60%
HSV	178°, 62%, 87%
XYZ	42.4299, 59.1893, 75.5412
YIQ	180.2820, -80.9640, -30.5000

Conversions

Conversions Part 2

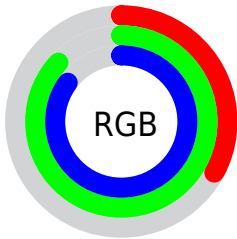
Format	Color
R _Y B	84, 154, 222
Decimal	5562074
CIE Lab	81.40, -37.68, -9.13
CIE LCh	81, 38.766, 193.622
Yxy	59.1893, 0.2395, 0.3341
Android (android.graphics.Color)	4283752154 (0xFF54DEDA)
YUV	180.2820, 18.5950, -84.4393
Hunter-Lab	76.9346, -36.1916, -4.3620

Details

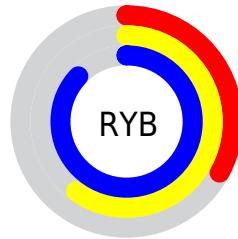
The Yxy color **59.1893, 0.2395, 0.3341** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.5615, 0.5056, 0.3254**, and the grayscale version is **45.7224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0359, 0.2553, 0.3288**, and **29.9168, 0.2262, 0.3342** is the 20% darker color. If you saturate the color by 10%, you get **58.2922, 0.2337, 0.3350**, and if you desaturate by 10%, it is **60.4155, 0.2472, 0.3332**.

Distribution



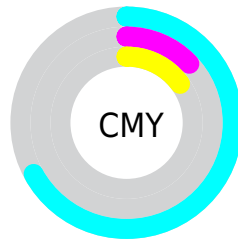
- Red (33%)
- Green (87%)
- Blue (85%)



- Red (33%)
- Yellow (60%)
- Blue (87%)



- Cyan (62%)
- Magenta (0%)
- Yellow (2%)
- Black (13%)





- Cyan (67%)
- Magenta (13%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.1893, 0.2395, 0.3341 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 59.1893, 0.2395, 0.3341 by changing the saturation by 10% instead.


 59.1893, 0.2395,
0.3341

 59.1893, 0.2395,
0.3341


421.6031, 0.2739,
0.3325


 42.7655, 0.2316,
0.3342


 103.6527, 0.2515,
0.3337


 29.7012, 0.2218,
0.3343


 132.4612, 0.2561,
0.3335

 19.6119, 0.2094,
0.3341


 166.1667, 0.2601,
0.3333

 12.1132, 0.1931,
0.3336

 205.1535, 0.2636,
0.3331

 6.8208, 0.1712,
0.3320

249.8062, 0.2666,
0.3330

 3.3503, 0.1403,
0.3281

300.5091, 0.2693,

 1.3172, 0.0693,

0.3328

357.6466, 0.2717,
0.3327

0.3266

0.1545, 0.0000,
0.1608

0.0000, 0.0000,
0.0000

59.1893, 0.2395,
0.3341

59.1893, 0.2395,
0.3341

58.2922, 0.2337,
0.3350

60.4155, 0.2472,
0.3332

57.6854, 0.2299,
0.3360


61.9917, 0.2567,
0.3323

57.3329, 0.2278,
0.3369


63.9450, 0.2680,
0.3314


57.1850, 0.2271,
0.3376

66.2978, 0.2807,
0.3306

 69.0711, 0.2946,
0.3298

 72.2841, 0.3094,
0.3291

 75.9549, 0.3247,
0.3285

 78.8422, 0.3357,
0.3279

 78.8768, 0.3352,
0.3273

Harmonies

Analogous

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



59.1893, 0.2758, 0.3832



59.1893, 0.2395, 0.3341



59.1893, 0.2227, 0.2883

Triad

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



59.1893, 0.2395, 0.3341



59.1893, 0.2952, 0.2581



59.1893, 0.4041, 0.3936

Complementary

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



59.1893, 0.2395, 0.3341



22.5615, 0.5056, 0.3254

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.



59.1893, 0.4120, 0.3570



59.1893, 0.2395, 0.3341



59.1893, 0.3462, 0.2823

Square

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



59.1893, 0.2395, 0.3341



59.1893, 0.2527, 0.2492



59.1893, 0.3904, 0.3174



59.1893, 0.3711, 0.4170

Rectangle

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



59.1893, 0.2395, 0.3341



59.1893, 0.2234, 0.2665



59.1893, 0.3904, 0.3174



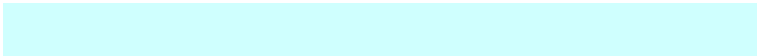
59.1893, 0.4100, 0.3823

Sweetspot

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



59.1916, 0.2395, 0.3341



91.8512, 0.2848, 0.3304



54.9858, 0.3055, 0.5283



19.4380, 0.2809, 0.3306



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.



59.1916, 0.2395, 0.3341



79.4723, 0.2322, 0.3354



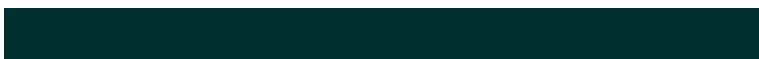
31.4613, 0.2162, 0.2346



15.5652, 0.2986, 0.3296



33.9671, 0.2271, 0.3375



2.3566, 0.2267, 0.3360

Inverse Universe

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



22.5615, 0.5056, 0.3254



25.3315, 0.5680, 0.3260



37.4625, 0.4546, 0.4020



13.7069, 0.3288, 0.3284



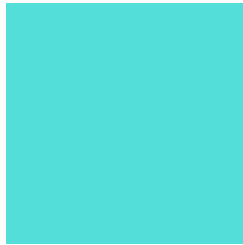
9.2354, 0.6369, 0.3282



0.6424, 0.6275, 0.3231

Previews

White Background



This preview shows how the Yxy color 59.1893, 0.2395, 0.3341 looks on a white background.

Color Contrast Check

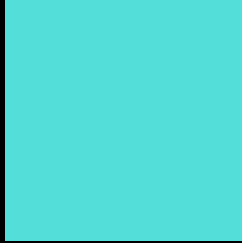
Large Text (above 18pt) WCAG AA × Fail

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 59.1893, 0.2395, 0.3341 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

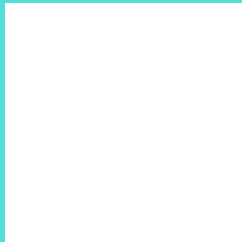
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.1893, 0.2395, 0.3341

Background



This preview shows how black text looks on a background with the Yxy color 59.1893, 0.2395, 0.3341.

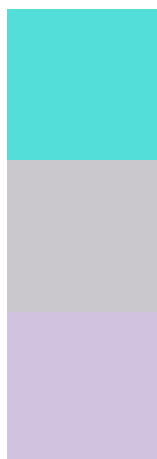


This preview shows how white text looks on a background with the Yxy color 59.1893, 0.2395, 0.3341.

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

59.1893, 0.2395, 0.3341

Protanopia

58.4128, 0.3114, 0.3231

Deuteranopia

57.9673, 0.3026, 0.2960



Tritanopia

59.1046, 0.2334, 0.3056

Trichromacy



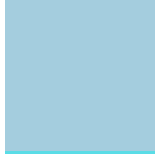
Original Color

59.1893, 0.2395, 0.3341



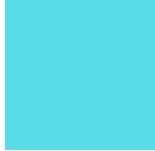
Protanomaly

57.2385, 0.2776, 0.3264



Deuteranomaly

56.8291, 0.2727, 0.3079



Tritanomaly

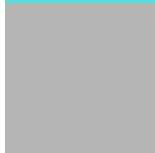
59.0732, 0.2357, 0.3157

Monochromacy



Original Color

59.1893, 0.2395, 0.3341



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

48.9450, 0.2762, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.1893, 0.2395, 0.3341 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(84, 222, 218)` looks like.

```
.text, #text, p{  
    color:rgb(84, 222, 218)  
}
```

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(84, 222, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 222, 218) }
```

Border

The CSS property to change the border of an element to Yxy 59.1893, 0.2395, 0.3341 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(84, 222, 218) }
```

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

```
.border{ border-color:rgb(84, 222, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 222, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 222, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 222, 218);  
box-shadow:4px 4px 4px 4px rgb(84, 222,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 59.1893, 0.2395, 0.3341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 222, 218) }
```

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

```
.background{ background-color: rgb(84, 222,  
218) }
```

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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