

Converting Colors

$Yxy(58.9272, 0.2452, 0.3462)$

Have a look what the booklet for
Yxy(58.9272, 0.2452, 0.3462)
contains.

Yxy(58.9698, 0.2453, 0.3464)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(58.9698, 0.2453, 0.3464)

Conversions

Conversions Part 1

Format	Color
Hex	59DED1
RGB	89, 222, 209
RGB Percent	35%, 87%, 82%
CMY	0.6505, 0.1294, 0.1804
CMYK	0.60, 0.00, 0.06, 0.13
HSL	174°, 67%, 61%
HSV	174°, 60%, 87%
XYZ	41.7589, 58.9698, 69.5074
YIQ	180.7510, -75.0950, -32.2390

Conversions

Conversions Part 2

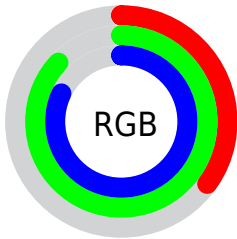
Format	Color
RYB	89, 159, 222
Decimal	5889745
CIELab	81.27, -39.18, -4.49
CIELCh	81, 39.438, 186.541
Yxy	58.9698, 0.2453, 0.3464
Android (android.graphics.Color)	4284079825 (0xFF59DED1)
YUV	180.7510, 13.9268, -80.4656
Hunter-Lab	76.7918, -37.3184, 0.0884

Details

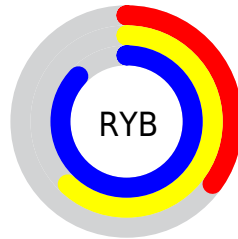
The Yxy color **58.9698, 0.2453, 0.3464** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **23.6555, 0.4813, 0.3153**, and the grayscale version is **46.0394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3193, 0.2566, 0.3288**, and **29.6390, 0.2303, 0.3491** is the 20% darker color. If you saturate the color by 10%, you get **57.9260, 0.2395, 0.3498**, and if you desaturate by 10%, it is **60.3508, 0.2530, 0.3431**.

Distribution



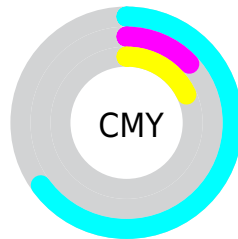
- Red (35%)
- Green (87%)
- Blue (82%)



- Red (35%)
- Yellow (62%)
- Blue (87%)



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (13%)





- Cyan (65%)
- Magenta (13%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.9698, 0.2453, 0.3464 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 58.9698, 0.2453, 0.3464 by changing the saturation by 10% instead.


 58.9698, 0.2453,
0.3464


 58.9698, 0.2453,
0.3464

420.7900, 0.2772,
0.3386

 42.5888, 0.2379,
0.3481


 103.3338, 0.2565,
0.3437


 29.5626, 0.2287,
0.3502


 132.0855, 0.2608,
0.3427

 19.5068, 0.2169,
0.3527


 165.7297, 0.2645,
0.3418

 12.0371, 0.2014,
0.3558

 204.6506, 0.2677,
0.3410

 6.7689, 0.1802,
0.3597

249.2327, 0.2705,
0.3403

 3.3180, 0.1497,
0.3644

299.8604, 0.2730,

 1.2999, 0.0678,

0.3396

356.9180, 0.2752,
0.3391

0.3834

0.1411, 0.0000,
0.2318

0.0000, 0.0000,
0.0000

58.9698, 0.2453,
0.3464

58.9698, 0.2453,
0.3464

57.9260, 0.2395,
0.3498

60.3508, 0.2530,
0.3431

57.1817, 0.2357,
0.3531

62.0892, 0.2624,
0.3399

56.7028, 0.2338,
0.3565

64.2114, 0.2734,
0.3369

56.4259, 0.2333,
0.3598

66.7394, 0.2857,
0.3340


 56.4223, 0.2333,
0.3599

 69.6939, 0.2989,
0.3314

 73.0937, 0.3129,
0.3290

 76.9567, 0.3273,
0.3268

 79.0090, 0.3334,
0.3247

 79.1291, 0.3319,
0.3225

Harmonies

Analogous

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



58.9698, 0.2859, 0.3943



58.9698, 0.2453, 0.3464



58.9698, 0.2232, 0.2973

Triad

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



58.9698, 0.2453, 0.3464



58.9698, 0.2834, 0.2532



58.9698, 0.4103, 0.3866

Complementary

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



58.9698, 0.2453, 0.3464



23.6555, 0.4813, 0.3153

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.



58.9698, 0.4113, 0.3478



58.9698, 0.2453, 0.3464



58.9698, 0.3345, 0.2745

Square

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



58.9698, 0.2453, 0.3464



58.9698, 0.2438, 0.2484



58.9698, 0.3828, 0.3080



58.9698, 0.3818, 0.4149

Rectangle

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



58.9698, 0.2453, 0.3464



58.9698, 0.2205, 0.2722



58.9698, 0.3828, 0.3080



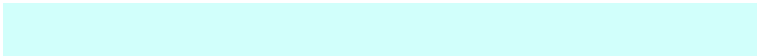
58.9698, 0.4140, 0.3743

Sweetspot

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



58.9721, 0.2453, 0.3464



92.0244, 0.2879, 0.3336



55.8105, 0.3105, 0.5180



19.4608, 0.2841, 0.3344



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.



58.9721, 0.2453, 0.3464



78.9927, 0.2383, 0.3507



35.7220, 0.2224, 0.2524



15.5481, 0.2995, 0.3313



33.5258, 0.2332, 0.3594



2.3306, 0.2317, 0.3542

Inverse Universe

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



23.6555, 0.4813, 0.3153



26.5445, 0.5388, 0.3155



35.6788, 0.4552, 0.3900



13.7222, 0.3277, 0.3267



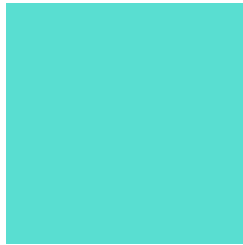
9.2654, 0.6284, 0.3235



0.6498, 0.5999, 0.3079

Previews

White Background



This preview shows how the Yxy color 58.9698, 0.2453, 0.3464 looks on a white background.

Color Contrast Check

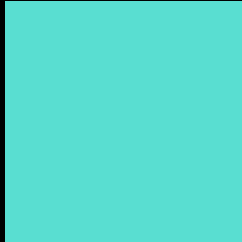
Large Text (above 18pt) WCAG AA × Fail

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 58.9698, 0.2453, 0.3464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

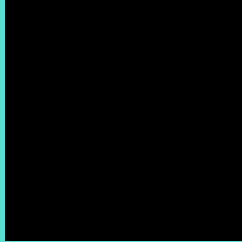
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

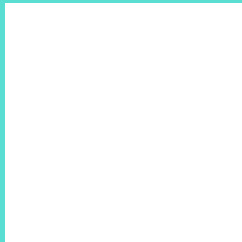
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.9698, 0.2453, 0.3464

Background



This preview shows how black text looks on a background with the Yxy color 58.9698, 0.2453, 0.3464.

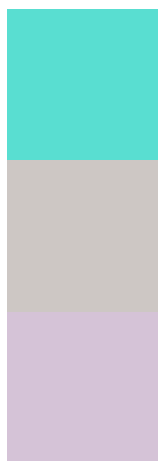


This preview shows how white text looks on a background with the Yxy color 58.9698, 0.2453, 0.3464.

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

58.9698, 0.2453, 0.3464

Protanopia

57.8115, 0.3196, 0.3326

Deuteranopia

58.0826, 0.3122, 0.3062



Tritanopia

58.9083, 0.2359, 0.3057

Trichromacy



Original Color

58.9698, 0.2453, 0.3464



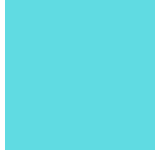
Protanomaly

56.6292, 0.2851, 0.3366



Deuteranomaly

56.7916, 0.2807, 0.3189



Tritanomaly

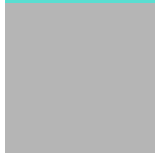
58.6408, 0.2392, 0.3196

Monochromacy



Original Color

58.9698, 0.2453, 0.3464



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

49.5373, 0.2803, 0.3357

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.9698, 0.2453, 0.3464 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(89, 222, 209)` looks like.

```
.text, #text, p{  
    color:rgb(89, 222, 209)  
}
```

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(89, 222, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 222, 209) }
```

Border

The CSS property to change the border of an element to Yxy 58.9698, 0.2453, 0.3464 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(89, 222, 209) }
```

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

```
.border{ border-color:rgb(89, 222, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 222, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 222, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 222, 209);  
box-shadow:4px 4px 4px 4px rgb(89, 222,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 58.9698, 0.2453, 0.3464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 222, 209) }
```

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

```
.background{ background-color: rgb(89, 222,  
209) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor