

Converting Colors

$Yxy(58.3158, 0.2408, 0.3396)$

Have a look what the booklet for
Yxy(58.3158, 0.2408, 0.3396)
contains.

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Color

Yxy(58.3108, 0.2408, 0.3396)

Conversions

Conversions Part 1

Format	Color
Hex	52DDD5
RGB	82, 221, 213
RGB Percent	32%, 87%, 84%
CMY	0.6786, 0.1333, 0.1646
CMYK	0.63, 0.00, 0.04, 0.13
HSL	177°, 67%, 59%
HSV	177°, 63%, 87%
XYZ	41.3464, 58.3108, 72.0471
YIQ	178.5270, -80.2760, -31.9560

Conversions

Conversions Part 2

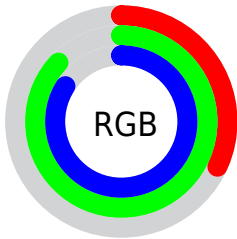
Format	Color
RYB	82, 154, 221
Decimal	5430741
CIELab	80.91, -38.87, -7.19
CIELCh	81, 39.529, 190.483
Yxy	58.3108, 0.2408, 0.3396
Android (android.graphics.Color)	4283620821 (0xFF52DDD5)
YUV	178.5270, 16.9952, -84.6542
Hunter-Lab	76.3615, -36.9827, -2.4871

Details

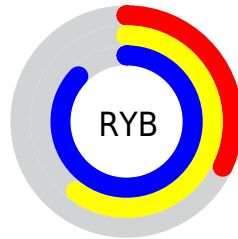
The Yxy color **58.3108, 0.2408, 0.3396** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.1384, 0.5032, 0.3212**, and the grayscale version is **44.7509, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8510, 0.2545, 0.3288**, and **29.3789, 0.2282, 0.3417** is the 20% darker color. If you saturate the color by 10%, you get **57.4132, 0.2354, 0.3415**, and if you desaturate by 10%, it is **59.5323, 0.2482, 0.3377**.

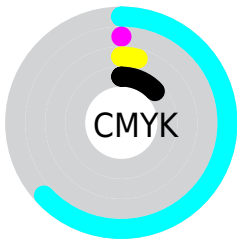
Distribution



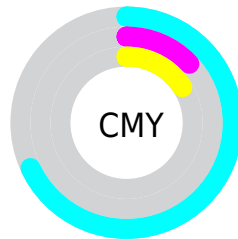
- Red (32%)
- Green (87%)
- Blue (84%)



- Red (32%)
- Yellow (60%)
- Blue (87%)



- Cyan (63%)
- Magenta (0%)
- Yellow (4%)
- Black (13%)





- Cyan (68%)
- Magenta (13%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.3108, 0.2408, 0.3396 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 58.3108, 0.2408, 0.3396 by changing the saturation by 10% instead.

 58.3108, 0.2408,
0.3396

 58.3108, 0.2408,
0.3396


418.3430, 0.2747,
0.3353

 42.0586, 0.2329,
0.3404


 102.3753, 0.2527,
0.3382


 29.1472, 0.2232,
0.3413


 130.9564, 0.2573,
0.3376

 19.1922, 0.2108,
0.3423


 164.4159, 0.2612,
0.3371

 11.8092, 0.1945,
0.3433

 203.1381, 0.2646,
0.3367

 6.6139, 0.1723,
0.3440

247.5076, 0.2676,
0.3363

 3.2218, 0.1409,
0.3435

297.9086, 0.2703,

 1.2486, 0.0562,

0.3359

354.7257, 0.2726,
0.3356

0.3524

0.1009, 0.0000,
0.1414

0.0000, 0.0000,
0.0000

58.3108, 0.2408,
0.3396

58.3108, 0.2408,
0.3396

57.4132, 0.2354,
0.3415

59.5323, 0.2482,
0.3377

56.8008, 0.2318,
0.3434


61.0986, 0.2574,
0.3359

56.4373, 0.2301,
0.3453


63.0366, 0.2683,
0.3341


56.2857, 0.2296,
0.3467


65.3689, 0.2806,
0.3324

 68.1160, 0.2941,
0.3308

 71.2972, 0.3084,
0.3294

 74.9305, 0.3233,
0.3281

 78.3121, 0.3358,
0.3269

 78.3808, 0.3349,
0.3256

Harmonies

Analogous

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



58.3108, 0.2796, 0.3893



58.3108, 0.2408, 0.3396



58.3108, 0.2214, 0.2914

Triad

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



58.3108, 0.2408, 0.3396



58.3108, 0.2896, 0.2548



58.3108, 0.4085, 0.3915

Complementary

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



58.3108, 0.2408, 0.3396



22.1384, 0.5032, 0.3212

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.



58.3108, 0.4136, 0.3532



58.3108, 0.2408, 0.3396



58.3108, 0.3415, 0.2781

Square

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



58.3108, 0.2408, 0.3396



58.3108, 0.2477, 0.2476



58.3108, 0.3884, 0.3129



58.3108, 0.3768, 0.4177

Rectangle

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



58.3108, 0.2408, 0.3396



58.3108, 0.2206, 0.2679



58.3108, 0.3884, 0.3129



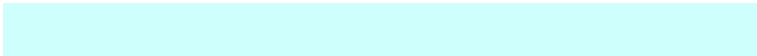
58.3108, 0.4135, 0.3795

Sweetspot

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



58.3130, 0.2408, 0.3396



91.7630, 0.2855, 0.3318



54.5597, 0.3076, 0.5291



19.4163, 0.2817, 0.3323



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.



58.3130, 0.2408, 0.3396



79.1354, 0.2342, 0.3420



32.4158, 0.2169, 0.2405



14.8160, 0.2990, 0.3303



32.7016, 0.2296, 0.3464



2.1226, 0.2287, 0.3433

Inverse Universe

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



22.1384, 0.5032, 0.3212



25.4028, 0.5618, 0.3220



35.3907, 0.4608, 0.3973



13.0636, 0.3283, 0.3277



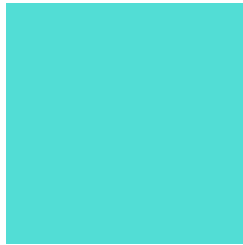
8.9517, 0.6336, 0.3264



0.5843, 0.6146, 0.3159

Previews

White Background



This preview shows how the Yxy color 58.3108, 0.2408, 0.3396 looks on a white background.

Color Contrast Check

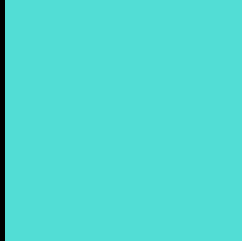
Large Text (above 18pt) WCAG AA × Fail

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 58.3108, 0.2408, 0.3396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

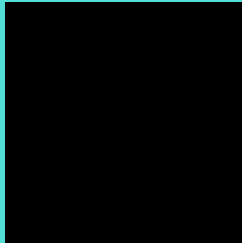
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

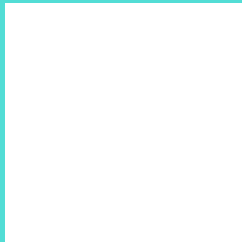
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.3108, 0.2408, 0.3396

Background



This preview shows how black text looks on a background with the Yxy color 58.3108, 0.2408, 0.3396.

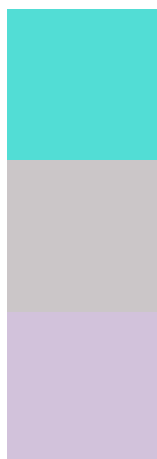


This preview shows how white text looks on a background with the Yxy color 58.3108, 0.2408, 0.3396.

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

58.3108, 0.2408, 0.3396

Protanopia

57.2548, 0.3152, 0.3266

Deuteranopia

57.3997, 0.3070, 0.3004



Tritanopia

58.4163, 0.2336, 0.3068

Trichromacy



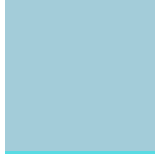
Original Color

58.3108, 0.2408, 0.3396



Protanomaly

55.9213, 0.2798, 0.3302



Deuteranomaly

55.9820, 0.2749, 0.3126



Tritanomaly

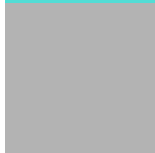
58.2838, 0.2360, 0.3182

Monochromacy



Original Color

58.3108, 0.2408, 0.3396



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

48.2745, 0.2773, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3108, 0.2408, 0.3396 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(82, 221, 213)` looks like.

```
.text, #text, p{  
    color:rgb(82, 221, 213)  
}
```

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(82, 221, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 221, 213) }
```

Border

The CSS property to change the border of an element to Yxy 58.3108, 0.2408, 0.3396 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(82, 221, 213) }
```

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

```
.border{ border-color:rgb(82, 221, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 221, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 221, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 221, 213);  
box-shadow:4px 4px 4px 4px rgb(82, 221,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3108, 0.2408, 0.3396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 221, 213) }
```

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

```
.background{ background-color: rgb(82, 221,  
213) }
```

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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