

Converting Colors

$Y_{xy}(59.8784, 0.2372, 0.3386)$

Have a look what the booklet for
Yxy(59.8784, 0.2372, 0.3386)
contains.

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Color

Yxy(59.6988, 0.2371, 0.3382)

Conversions

Conversions Part 1

Format	Color
Hex	48E0D9
RGB	72, 224, 217
RGB Percent	28%, 88%, 85%
CMY	0.7177, 0.1216, 0.1490
CMYK	0.68, 0.00, 0.03, 0.12
HSL	177°, 71%, 58%
HSV	177°, 68%, 88%
XYZ	41.8527, 59.6988, 74.9677
YIQ	177.7540, -88.3450, -34.4010

Conversions

Conversions Part 2

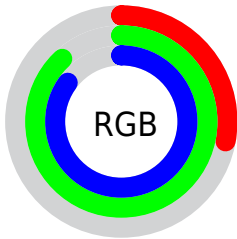
Format	Color
RYB	72, 150, 224
Decimal	4776153
CIELab	81.67, -40.62, -8.20
CIELCh	82, 41.437, 191.414
Yxy	59.6988, 0.2371, 0.3382
Android (android.graphics.Color)	4282966233 (0xFF48E0D9)
YUV	177.7540, 19.3483, -92.7463
Hunter-Lab	77.2650, -38.5243, -3.4417

Details

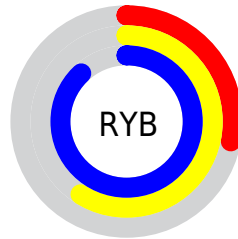
The Yxy color **59.6988, 0.2371, 0.3382** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **21.0468, 0.5290, 0.3230**, and the grayscale version is **44.3159, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2290, 0.2516, 0.3288**, and **30.6139, 0.2277, 0.3396** is the 20% darker color. If you saturate the color by 10%, you get **58.9379, 0.2326, 0.3397**, and if you desaturate by 10%, it is **60.7780, 0.2436, 0.3367**.

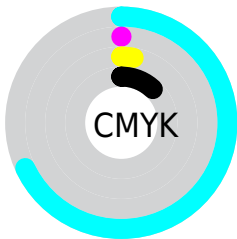
Distribution



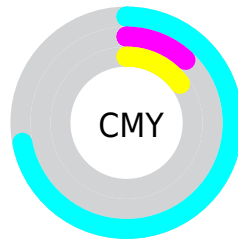
- Red (28%)
- Green (88%)
- Blue (85%)



- Red (28%)
- Yellow (59%)
- Blue (88%)



- Cyan (68%)
- Magenta (0%)
- Yellow (3%)
- Black (12%)





- Cyan (72%)
- Magenta (12%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.6988, 0.2371, 0.3382 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 59.6988, 0.2371, 0.3382 by changing the saturation by 10% instead.


 59.6988, 0.2371,
0.3382


 59.6988, 0.2371,
0.3382

423.4867, 0.2725,
0.3347


 43.1759, 0.2289,
0.3388

 104.3926, 0.2495,
0.3371


 30.0232, 0.2189,
0.3394


 133.3323, 0.2542,
0.3367

 19.8562, 0.2061,
0.3400

 167.1798, 0.2584,
0.3362

 12.2905, 0.1895,
0.3404

 206.3193, 0.2619,
0.3359

 6.9419, 0.1670,
0.3402

251.1354, 0.2651,
0.3355

 3.4258, 0.1356,
0.3383

302.0124, 0.2679,

 1.3578, 0.0596,

0.3352

0.3417

359.3347, 0.2703,
0.3349

0.1853, 0.0000,
0.1930

0.0000, 0.0000,
0.0000

59.6988, 0.2371,
0.3382

59.6988, 0.2371,
0.3382

58.9379, 0.2326,
0.3397

60.7780, 0.2436,
0.3367

58.4525, 0.2299,
0.3413

62.1994, 0.2520,
0.3352

58.1949, 0.2288,
0.3428

63.9920, 0.2622,
0.3337


58.1527, 0.2286,
0.3431


66.1802, 0.2739,
0.3324

 68.7862, 0.2870,
0.3311

 71.8305, 0.3011,
0.3299

 75.3324, 0.3159,
0.3288

 79.3100, 0.3312,
0.3278

 80.0799, 0.3332,
0.3268

Harmonies

Analogous

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



59.6988, 0.2767, 0.3905



59.6988, 0.2371, 0.3382



59.6988, 0.2178, 0.2884

Triad

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



59.6988, 0.2371, 0.3382



59.6988, 0.2902, 0.2526



59.6988, 0.4116, 0.3947

Complementary

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



59.6988, 0.2371, 0.3382



21.0468, 0.5290, 0.3230

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.



59.6988, 0.4179, 0.3551



59.6988, 0.2371, 0.3382



59.6988, 0.3443, 0.2772

Square

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



59.6988, 0.2371, 0.3382



59.6988, 0.2463, 0.2446



59.6988, 0.3927, 0.3134



59.6988, 0.3778, 0.4216

Rectangle

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



59.6988, 0.2371, 0.3382



59.6988, 0.2175, 0.2645



59.6988, 0.3927, 0.3134



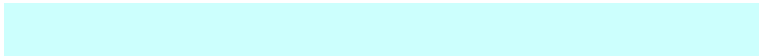
59.6988, 0.4172, 0.3823

Sweetspot

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



59.7011, 0.2371, 0.3382



91.4271, 0.2839, 0.3314



55.4691, 0.3056, 0.5451



19.3529, 0.2802, 0.3317



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.



59.7011, 0.2371, 0.3382



78.7822, 0.2313, 0.3403



30.4029, 0.2097, 0.2281



15.5609, 0.2988, 0.3301



33.8528, 0.2286, 0.3428



2.3499, 0.2279, 0.3405

Inverse Universe

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



21.0468, 0.5290, 0.3230



23.7159, 0.5893, 0.3244



35.1892, 0.4737, 0.4032



13.7107, 0.3285, 0.3280



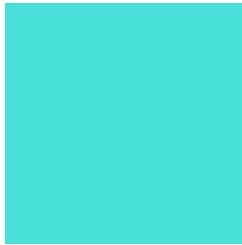
9.2420, 0.6349, 0.3271



0.6443, 0.6203, 0.3191

Previews

White Background



This preview shows how the Yxy color 59.6988, 0.2371, 0.3382 looks on a white background.

Color Contrast Check

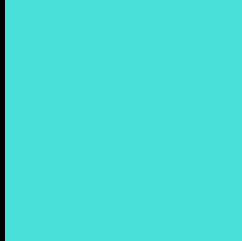
Large Text (above 18pt) WCAG AA × Fail

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 59.6988, 0.2371, 0.3382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

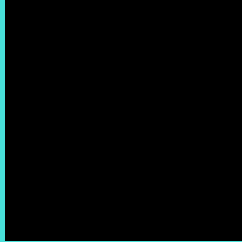
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

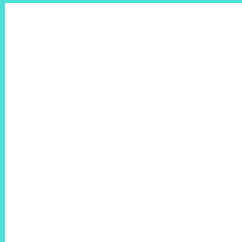
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.6988, 0.2371, 0.3382

Background



This preview shows how black text looks on a background with the Yxy color 59.6988, 0.2371, 0.3382.

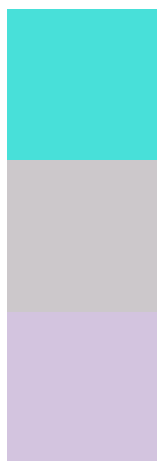


This preview shows how white text looks on a background with the Yxy color 59.6988, 0.2371, 0.3382.

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

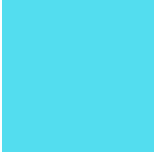
59.6988, 0.2371, 0.3382

Protanopia

58.4577, 0.3137, 0.3255

Deuteranopia

58.6565, 0.3049, 0.2984



Tritanopia

59.7839, 0.2301, 0.3056

Trichromacy



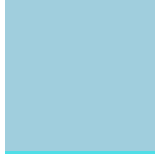
Original Color

59.6988, 0.2371, 0.3382



Protanomaly

57.2229, 0.2764, 0.3302



Deuteranomaly

56.8367, 0.2708, 0.3102



Tritanomaly

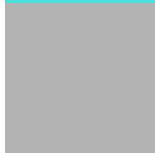
59.6743, 0.2325, 0.3170

Monochromacy



Original Color

59.6988, 0.2371, 0.3382



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

48.3250, 0.2734, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.6988, 0.2371, 0.3382 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, 224, 217)` looks like.

```
.text, #text, p{  
    color:rgb(72, 224, 217)  
}
```

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, 224, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 224, 217) }
```

Border

The CSS property to change the border of an element to Yxy 59.6988, 0.2371, 0.3382 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, 224, 217) }
```

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

```
.border{ border-color:rgb(72, 224, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 224, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 224, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 224, 217);  
box-shadow:4px 4px 4px 4px rgb(72, 224,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 59.6988, 0.2371, 0.3382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 224, 217) }
```

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

```
.background{ background-color: rgb(72, 224,  
217) }
```

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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