

Converting Colors

$Yxy(59.5834, 0.2660, 0.3500)$

Have a look what the booklet for
Yxy(59.5834, 0.2660, 0.3500)
contains.

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Color

Yxy(59.8001, 0.2660, 0.3499)

Conversions

Conversions Part 1

Format	Color
Hex	83DBCBCB
RGB	131, 219, 203
RGB Percent	51%, 86%, 80%
CMY	0.4866, 0.1411, 0.2039
CMYK	0.40, 0.00, 0.07, 0.14
HSL	169°, 55%, 69%
HSV	169°, 40%, 86%
XYZ	45.4611, 59.8001, 65.6451
YIQ	190.8640, -47.3120, -23.6320

Conversions

Conversions Part 2

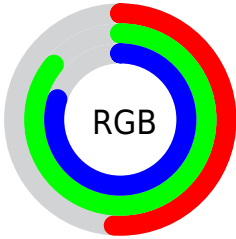
Format	Color
RYB	131, 179, 219
Decimal	8641483
CIELab	81.73, -30.22, -0.46
CIElCh	82, 30.227, 180.869
Yxy	59.8001, 0.2660, 0.3499
Android (android.graphics.Color)	4286831563 (0xFF83DBC B)
YUV	190.8640, 5.9830, -52.5007
Hunter-Lab	77.3305, -30.3918, 3.8007

Details

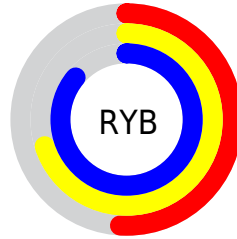
The Yxy color **59.8001, 0.2660, 0.3499** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.3778, 0.3953, 0.3098**, and the grayscale version is **51.9931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4314, 0.2742, 0.3289**, and **30.2167, 0.2543, 0.3557** is the 20% darker color. If you saturate the color by 10%, you get **58.0485, 0.2573, 0.3560**, and if you desaturate by 10%, it is **61.9308, 0.2761, 0.3441**.

Distribution



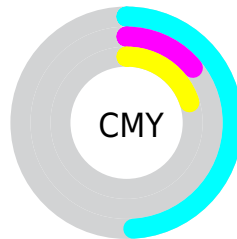
- Red (51%)
- Green (86%)
- Blue (80%)



- Red (51%)
- Yellow (70%)
- Blue (86%)



- Cyan (40%)
- Magenta (0%)
- Yellow (7%)
- Black (14%)





- Cyan (49%)
- Magenta (14%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.8001, 0.2660, 0.3499 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 59.8001, 0.2660, 0.3499 by changing the saturation by 10% instead.

 59.8001, 0.2660,
0.3499

 59.8001, 0.2660,
0.3499

423.8606, 0.2883,
0.3400


 43.2575, 0.2608,
0.3522


 104.5396, 0.2739,
0.3464

 30.0872, 0.2542,
0.3551


 133.5054, 0.2769,
0.3451

 19.9048, 0.2458,
0.3589


 167.3810, 0.2795,
0.3439

 12.3259, 0.2345,
0.3638

206.5508, 0.2817,
0.3429

 6.9660, 0.2188,
0.3708

251.3993, 0.2836,
0.3420

 3.4409, 0.1954,
0.3810

302.3108, 0.2854,

 1.3660, 0.1463,

0.3413

0.4026

359.6698, 0.2869,
0.3406

■ 0.1915, 0.0000,
0.4432

■ 0.0000, 0.0000,
0.0000

■ 59.8001, 0.2660,
0.3499

■ 59.8001, 0.2660,
0.3499

■ 58.0485, 0.2573,
0.3560

■ 61.9308, 0.2761,
0.3441

■ 56.6455, 0.2504,
0.3624


■ 64.4550, 0.2874,
0.3387


■ 55.5670, 0.2453,
0.3690


■ 67.3950, 0.2996,
0.3337

■ 54.7832, 0.2421,
0.3756

■ 70.7691, 0.3124,
0.3291


 54.2585, 0.2409,
0.3821

 74.5948, 0.3256,
0.3250

 53.9346, 0.2413,
0.3885

 77.4720, 0.3334,
0.3212

 77.6944, 0.3307,
0.3172

 77.9218, 0.3279,
0.3133

 78.1544, 0.3252,
0.3094

Harmonies

Analogous

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



59.8001, 0.2998, 0.3831



59.8001, 0.2660, 0.3499



59.8001, 0.2452, 0.3122

Triad

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



59.8001, 0.2660, 0.3499



59.8001, 0.2838, 0.2679



59.8001, 0.3893, 0.3695

Complementary

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



59.8001, 0.2660, 0.3499



33.3778, 0.3953, 0.3098

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.



59.8001, 0.3852, 0.3387



59.8001, 0.2660, 0.3499



59.8001, 0.3222, 0.2825

Square

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



59.8001, 0.2660, 0.3499



59.8001, 0.2550, 0.2674



59.8001, 0.3600, 0.3077



59.8001, 0.3716, 0.3923

Rectangle

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



59.8001, 0.2660, 0.3499



59.8001, 0.2407, 0.2910



59.8001, 0.3600, 0.3077



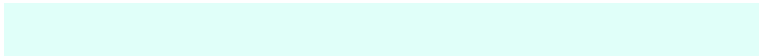
59.8001, 0.3905, 0.3597

Sweetspot

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



59.8025, 0.2660, 0.3499



94.2981, 0.2973, 0.3346



58.5179, 0.3177, 0.4483



20.0625, 0.2957, 0.3352



0.0000, 0.0000, 0.0000



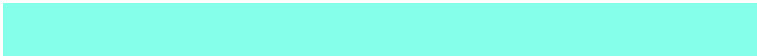
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.8025, 0.2660, 0.3499



82.3427, 0.2588, 0.3549



47.2477, 0.2517, 0.2916



14.7868, 0.3006, 0.3333



31.9900, 0.2410, 0.3875



2.0833, 0.2380, 0.3769

Inverse Universe

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



33.3778, 0.3953, 0.3098



40.2874, 0.4217, 0.3062



41.4322, 0.4002, 0.3630



13.0900, 0.3263, 0.3248



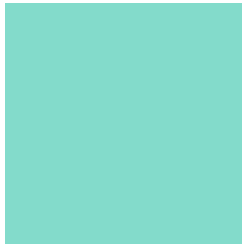
9.0316, 0.6112, 0.3141



0.5968, 0.5675, 0.2900

Previews

White Background



This preview shows how the Yxy color 59.8001, 0.2660, 0.3499 looks on a white background.

Color Contrast Check

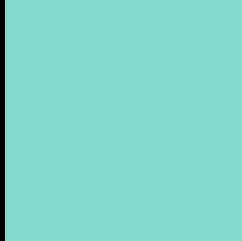
Large Text (above 18pt) WCAG AA × Fail

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 59.8001, 0.2660, 0.3499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

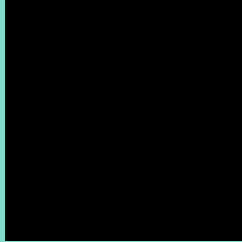
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

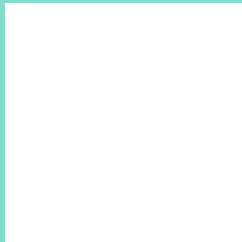
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.8001, 0.2660, 0.3499

Background



This preview shows how black text looks on a background with the Yxy color 59.8001, 0.2660, 0.3499.

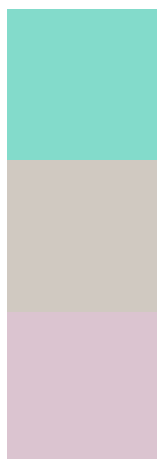


This preview shows how white text looks on a background with the Yxy color 59.8001, 0.2660, 0.3499.

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

59.8001, 0.2660, 0.3499

Protanopia

59.0334, 0.3241, 0.3384

Deuteranopia

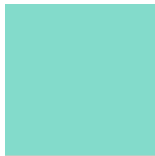
59.0940, 0.3221, 0.3154



Tritanopia

59.9160, 0.2543, 0.3077

Trichromacy



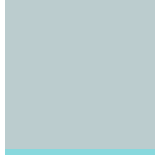
Original Color

59.8001, 0.2660, 0.3499



Protanomaly

58.8463, 0.2996, 0.3426



Deuteranomaly

58.2068, 0.2986, 0.3265



Tritanomaly

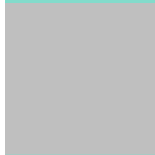
59.5664, 0.2586, 0.3225

Monochromacy



Original Color

59.8001, 0.2660, 0.3499



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

54.1484, 0.2928, 0.3366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.8001, 0.2660, 0.3499 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(131, 219, 203)` looks like.

```
.text, #text, p{  
    color:rgb(131, 219, 203)  
}
```

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(131, 219, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 219, 203) }
```

Border

The CSS property to change the border of an element to Yxy 59.8001, 0.2660, 0.3499 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(131, 219, 203) }
```

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

```
.border{ border-color:rgb(131, 219, 203) }
```

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

Here you see how a box with a 4 pixel rgb(131, 219, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 219, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 219, 203);  
box-shadow:4px 4px 4px 4px rgb(131, 219,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 59.8001, 0.2660, 0.3499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 219, 203) }
```

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

```
.background{ background-color: rgb(131,  
219, 203) }
```

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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