

Converting Colors

$Yxy(58.0751, 0.2610, 0.3475)$

Have a look what the booklet for
Yxy(58.0751, 0.2610, 0.3475)
contains.

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Color

Yxy(58.0751, 0.2610, 0.3475)

Conversions

Conversions Part 1

Format	Color
Hex	7AD9CB
RGB	122, 217, 203
RGB Percent	48%, 85%, 80%
CMY	0.5216, 0.1490, 0.2038
CMYK	0.44, 0.00, 0.06, 0.15
HSL	171°, 56%, 66%
HSV	171°, 44%, 85%
XYZ	43.6190, 58.0751, 65.4285
YIQ	186.9990, -52.1260, -24.4940

Conversions

Conversions Part 2

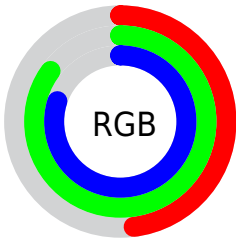
Format	Color
RYB	122, 173, 217
Decimal	8051147
CIELab	80.78, -31.49, -1.91
CIElCh	81, 31.545, 183.468
Yxy	58.0751, 0.2610, 0.3475
Android (android.graphics.Color)	4286241227 (0xFF7AD9CB)
YUV	186.9990, 7.8885, -57.0041
Hunter-Lab	76.2070, -31.1933, 2.4407

Details

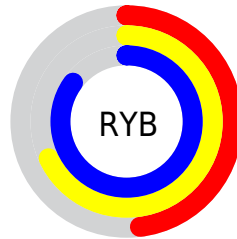
The Yxy color **58.0751, 0.2610, 0.3475** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.4436, 0.4104, 0.3122**, and the grayscale version is **49.6700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3237, 0.2696, 0.3289**, and **29.1006, 0.2479, 0.3526** is the 20% darker color. If you saturate the color by 10%, you get **56.5159, 0.2526, 0.3525**, and if you desaturate by 10%, it is **59.9957, 0.2710, 0.3428**.

Distribution



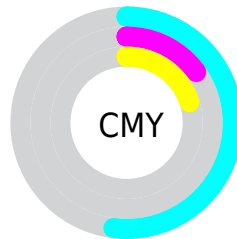
- Red (48%)
- Green (85%)
- Blue (80%)



- Red (48%)
- Yellow (68%)
- Blue (85%)



- Cyan (44%)
- Magenta (0%)
- Yellow (6%)
- Black (15%)





- Cyan (52%)
- Magenta (15%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.0751, 0.2610, 0.3475 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 58.0751, 0.2610, 0.3475 by changing the saturation by 10% instead.


 58.0751, 0.2610,
0.3475


 58.0751, 0.2610,
0.3475

417.4657, 0.2857,
0.3388

 41.8690, 0.2552,
0.3495


 102.0322, 0.2697,
0.3445

 28.9988, 0.2479,
0.3520


 130.5520, 0.2731,
0.3433

 19.0799, 0.2385,
0.3552


 163.9453, 0.2759,
0.3423

 11.7280, 0.2260,
0.3594

202.5962, 0.2784,
0.3414

 6.5588, 0.2085,
0.3651

246.8894, 0.2806,
0.3406

 3.1877, 0.1826,
0.3732

297.2091, 0.2825,

 1.2305, 0.1176,

0.3399

353.9397, 0.2842,
0.3393

0.3958

0.0864, 0.0000,
0.2753

0.0000, 0.0000,
0.0000

58.0751, 0.2610,
0.3475

58.0751, 0.2610,
0.3475

56.5159, 0.2526,
0.3525

59.9957, 0.2710,
0.3428

55.2873, 0.2461,
0.3576


62.2923, 0.2822,
0.3383

54.3649, 0.2414,
0.3628


64.9873, 0.2946,
0.3341

53.7176, 0.2387,
0.3680

68.0990, 0.3076,
0.3303

 53.3081, 0.2378,
0.3732


 71.6450, 0.3212,
0.3269

 53.1345, 0.2379,
0.3764

 75.6414, 0.3349,
0.3238

 76.3442, 0.3347,
0.3207

 76.5204, 0.3325,
0.3175

 76.6999, 0.3303,
0.3143

Harmonies

Analogous

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



58.0751, 0.2956, 0.3837



58.0751, 0.2610, 0.3475



58.0751, 0.2407, 0.3079

Triad

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



58.0751, 0.2610, 0.3475



58.0751, 0.2855, 0.2657



58.0751, 0.3926, 0.3739

Complementary

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



58.0751, 0.2610, 0.3475



30.4436, 0.4104, 0.3122

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.



58.0751, 0.3905, 0.3419



58.0751, 0.2610, 0.3475



58.0751, 0.3263, 0.2821

Square

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



58.0751, 0.2610, 0.3475



58.0751, 0.2541, 0.2637



58.0751, 0.3656, 0.3092



58.0751, 0.3722, 0.3970

Rectangle

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



58.0751, 0.2610, 0.3475



58.0751, 0.2371, 0.2864



58.0751, 0.3656, 0.3092



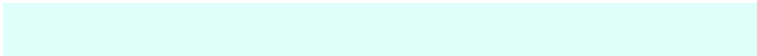
58.0751, 0.3946, 0.3638

Sweetspot

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



58.0774, 0.2610, 0.3475



93.9359, 0.2954, 0.3339



56.2866, 0.3156, 0.4612



19.9081, 0.2926, 0.3348



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.



58.0774, 0.2610, 0.3475



81.5077, 0.2529, 0.3523



43.3222, 0.2460, 0.2832



14.7949, 0.3002, 0.3325



32.1757, 0.2377, 0.3757



2.0937, 0.2353, 0.3672

Inverse Universe

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



30.4436, 0.4104, 0.3122



36.5422, 0.4455, 0.3092



39.6799, 0.4090, 0.3697



13.0826, 0.3269, 0.3256



9.0023, 0.6192, 0.3185



0.5933, 0.5797, 0.2967

Previews

White Background



This preview shows how the Yxy color 58.0751, 0.2610, 0.3475 looks on a white background.

Color Contrast Check

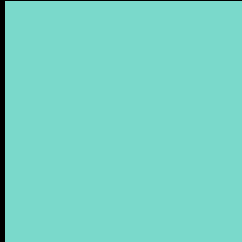
Large Text (above 18pt) WCAG AA × Fail

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 58.0751, 0.2610, 0.3475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

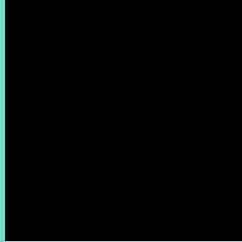
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

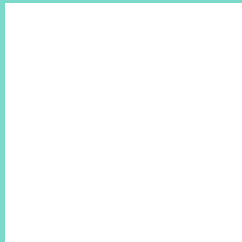
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.0751, 0.2610, 0.3475

Background



This preview shows how black text looks on a background with the Yxy color 58.0751, 0.2610, 0.3475.

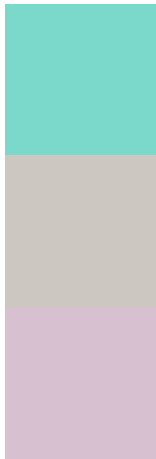


This preview shows how white text looks on a background with the Yxy color 58.0751, 0.2610, 0.3475.

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

58.0751, 0.2610, 0.3475

Protanopia

57.6762, 0.3219, 0.3362

Deuteranopia

57.1411, 0.3191, 0.3118



Tritanopia

58.0475, 0.2503, 0.3073

Trichromacy



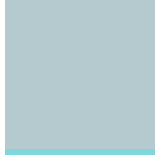
Original Color

58.0751, 0.2610, 0.3475



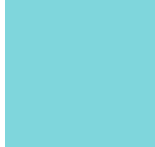
Protanomaly

57.2878, 0.2959, 0.3402



Deuteranomaly

56.5210, 0.2942, 0.3240



Tritanomaly

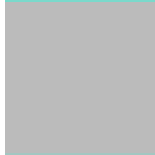
57.7725, 0.2541, 0.3211

Monochromacy



Original Color

58.0751, 0.2610, 0.3475



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

52.0250, 0.2897, 0.3355

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.0751, 0.2610, 0.3475 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(122, 217, 203)` looks like.

```
.text, #text, p{  
    color:rgb(122, 217, 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(122, 217, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 217, 203) }
```

Border

The CSS property to change the border of an element to Yxy 58.0751, 0.2610, 0.3475 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(122, 217, 203) }
```

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

```
.border{ border-color:rgb(122, 217, 203) }
```

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

Here you see how a box with a 4 pixel rgb(122, 217, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 217, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 217, 203);  
box-shadow:4px 4px 4px 4px rgb(122, 217,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 58.0751, 0.2610, 0.3475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 217, 203) }
```

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

```
.background{ background-color: rgb(122,  
217, 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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