

Converting Colors

Yxy(58.3631, 0.2638, 0.3647)

Have a look what the booklet for
Yxy(58.3631, 0.2638, 0.3647)
contains.

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Color

Yxy(58.2263, 0.2637, 0.3642)

Conversions

Conversions Part 1

Format	Color
Hex	74DBC1
RGB	116, 219, 193
RGB Percent	45%, 86%, 76%
CMY	0.5452, 0.1412, 0.2430
CMYK	0.47, 0.00, 0.12, 0.14
HSL	165°, 59%, 66%
HSV	165°, 47%, 86%
XYZ	42.1589, 58.2263, 59.4893
YIQ	185.2390, -53.0420, -29.9220

Conversions

Conversions Part 2

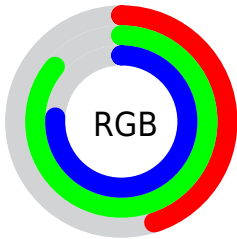
Format	Color
RYB	116, 175, 219
Decimal	7658433
CIELab	80.86, -36.20, 3.51
CIElCh	81, 36.371, 174.469
Yxy	58.2263, 0.2637, 0.3642
Android (android.graphics.Color)	4285848513 (0xFF74DBC1)
YUV	185.2390, 3.8262, -60.7226
Hunter-Lab	76.3062, -34.9151, 7.1910

Details

The Yxy color **58.2263, 0.2637, 0.3642** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.4946, 0.4076, 0.2980**, and the grayscale version is **48.6537, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2438, 0.2695, 0.3354**, and **28.9577, 0.2507, 0.3720** is the 20% darker color. If you saturate the color by 10%, you get **56.6593, 0.2567, 0.3732**, and if you desaturate by 10%, it is **60.1609, 0.2722, 0.3556**.

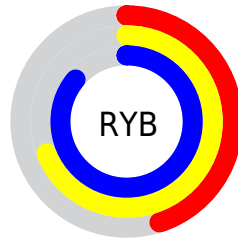
Distribution



Red (45%)

Green (86%)

Blue (76%)



Red (45%)

Yellow (69%)

Blue (86%)

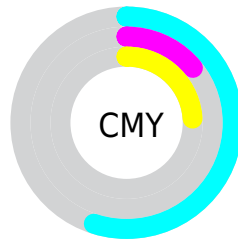


Cyan (47%)

Magenta (0%)

Yellow (12%)

Black (14%)



Cyan (55%)


Magenta (14%)

Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.2263, 0.2637, 0.3642 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 58.2263, 0.2637, 0.3642 by changing the saturation by 10% instead.


 58.2263, 0.2637,
0.3642


 58.2263, 0.2637,
0.3642


418.0286, 0.2873,
0.3470

 41.9906, 0.2581,
0.3684


 102.2523, 0.2721,
0.3581

 29.0939, 0.2510,
0.3736


 130.8115, 0.2753,
0.3557

 19.1519, 0.2418,
0.3805


 164.2472, 0.2780,
0.3537

 11.7801, 0.2295,
0.3899

202.9439, 0.2804,
0.3520

 6.5941, 0.2120,
0.4034

247.2860, 0.2825,
0.3505

 3.2096, 0.1857,
0.4244

297.6579, 0.2843,

 1.2421, 0.1010,

0.3492

0.4834

354.4440, 0.2859,
0.3481

■ 0.0957, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.2263, 0.2637,
0.3642

■ 58.2263, 0.2637,
0.3642

■ 56.6593, 0.2567,
0.3732

■ 60.1609, 0.2722,
0.3556

■ 55.4275, 0.2516,
0.3825


■ 62.4789, 0.2820,
0.3476


■ 54.5045, 0.2484,
0.3919

■ 65.2037, 0.2928,
0.3402

■ 53.8568, 0.2472,
0.4014

■ 68.3546, 0.3043,
0.3334


 53.4405, 0.2478,
0.4107


 71.9499, 0.3163,
0.3273

 53.3396, 0.2482,
0.4135

 76.0068, 0.3284,
0.3218

 77.7338, 0.3301,
0.3164

 78.0519, 0.3263,
0.3110

 78.3799, 0.3225,
0.3057

Harmonies

Analogous

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



58.2263, 0.3064, 0.4020



58.2263, 0.2637, 0.3642



58.2263, 0.2353, 0.3172

Triad

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



58.2263, 0.2637, 0.3642



58.2263, 0.2690, 0.2544



58.2263, 0.4069, 0.3692

Complementary

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



58.2263, 0.2637, 0.3642



29.4946, 0.4076, 0.2980

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.



58.2263, 0.3963, 0.3317



58.2263, 0.2637, 0.3642



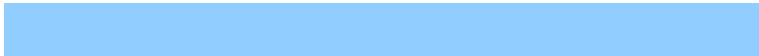
58.2263, 0.3134, 0.2685

Square

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



58.2263, 0.2637, 0.3642



58.2263, 0.2383, 0.2572



58.2263, 0.3610, 0.2960



58.2263, 0.3902, 0.4004

Rectangle

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



58.2263, 0.2637, 0.3642



58.2263, 0.2272, 0.2898



58.2263, 0.3610, 0.2960



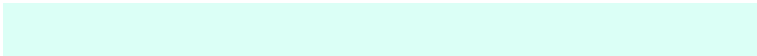
58.2263, 0.4065, 0.3569

Sweetspot

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



58.2286, 0.2637, 0.3642



93.2806, 0.2962, 0.3381



57.8055, 0.3236, 0.4690



19.7677, 0.2937, 0.3397



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.



58.2286, 0.2637, 0.3642



80.0929, 0.2571, 0.3727



47.8390, 0.2445, 0.2962



14.7706, 0.3015, 0.3350



31.6444, 0.2478, 0.4121



2.0636, 0.2436, 0.3968

Inverse Universe

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



29.4946, 0.4076, 0.2980



35.0367, 0.4385, 0.2931



35.0795, 0.4264, 0.3583



13.1051, 0.3252, 0.3231



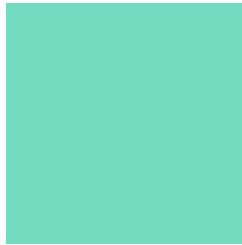
9.1095, 0.5913, 0.3031



0.6040, 0.5445, 0.2773

Previews

White Background



This preview shows how the Yxy color 58.2263, 0.2637, 0.3642 looks on a white background.

Color Contrast Check

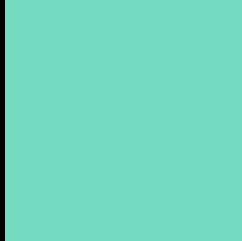
Large Text (above 18pt) WCAG AA × Fail

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 58.2263, 0.2637, 0.3642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

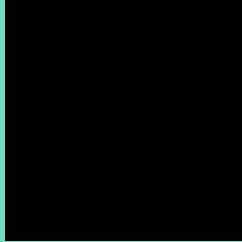
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

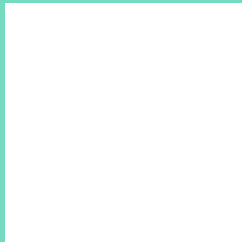
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.2263, 0.2637, 0.3642

Background



This preview shows how black text looks on a background with the Yxy color 58.2263, 0.2637, 0.3642.

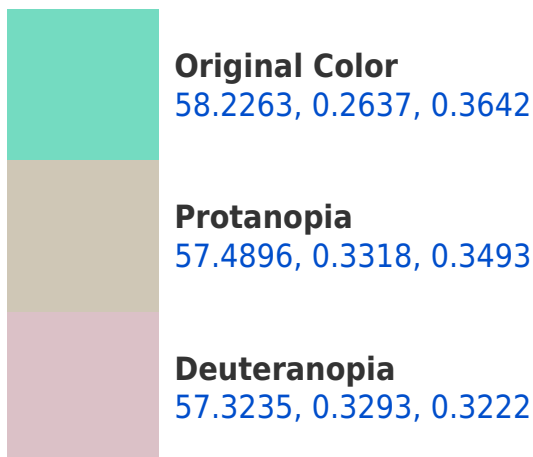


This preview shows how white text looks on a background with the Yxy color 58.2263, 0.2637, 0.3642.

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





Tritanopia

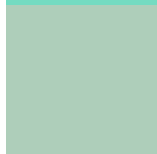
58.3747, 0.2486, 0.3073

Trichromacy



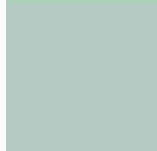
Original Color

58.2263, 0.2637, 0.3642



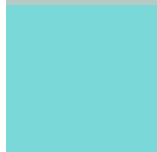
Protanomaly

56.6865, 0.3026, 0.3545



Deuteranomaly

56.2174, 0.3010, 0.3352



Tritanomaly

58.3324, 0.2541, 0.3275

Monochromacy



Original Color

58.2263, 0.2637, 0.3642



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

51.0369, 0.2908, 0.3409

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.2263, 0.2637, 0.3642 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(116, 219, 193)` looks like.

```
.text, #text, p{  
    color:rgb(116, 219, 193)  
}
```

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(116, 219, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 219, 193) }
```

Border

The CSS property to change the border of an element to Yxy 58.2263, 0.2637, 0.3642 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(116, 219, 193) }
```

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

```
.border{ border-color:rgb(116, 219, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 219, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 219, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 219, 193);  
box-shadow:4px 4px 4px 4px rgb(116, 219,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 58.2263, 0.2637, 0.3642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 219, 193) }
```

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

```
.background{ background-color: rgb(116,  
219, 193) }
```

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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