

Converting Colors

$Yxy(63.9646, 0.2577, 0.3545)$

Have a look what the booklet for
Yxy(63.9646, 0.2577, 0.3545)
contains.

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Color

Yxy(63.8033, 0.2574, 0.3536)

Conversions

Conversions Part 1

Format	Color
Hex	74E4D1
RGB	116, 228, 209
RGB Percent	45%, 89%, 82%
CMY	0.5455, 0.1058, 0.1804
CMYK	0.49, 0.00, 0.08, 0.11
HSL	170°, 68%, 67%
HSV	170°, 49%, 89%
XYZ	46.4450, 63.8033, 70.1908
YIQ	192.3460, -60.6530, -29.6530

Conversions

Conversions Part 2

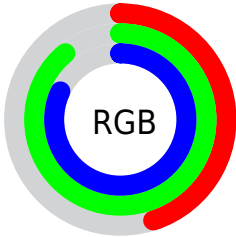
Format	Color
RYB	116, 177, 228
Decimal	7660753
CIELab	83.86, -36.62, -0.59
CIElCh	84, 36.624, 180.927
Yxy	63.8033, 0.2574, 0.3536
Android (android.graphics.Color)	4285850833 (0xFF74E4D1)
YUV	192.3460, 8.2104, -66.9554
Hunter-Lab	79.8770, -35.9946, 3.8136

Details

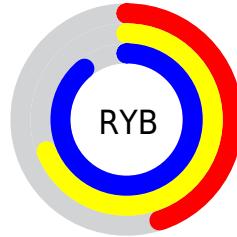
The Yxy color **63.8033, 0.2574, 0.3536** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.7125, 0.4265, 0.3075**, and the grayscale version is **52.8907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8540, 0.2676, 0.3289**, and **32.6559, 0.2439, 0.3589** is the 20% darker color. If you saturate the color by 10%, you get **62.2426, 0.2502, 0.3595**, and if you desaturate by 10%, it is **65.7569, 0.2663, 0.3479**.

Distribution



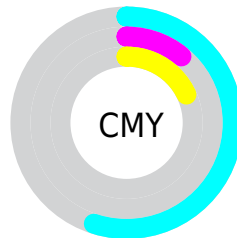
- Red (45%)
- Green (89%)
- Blue (82%)



- Red (45%)
- Yellow (69%)
- Blue (89%)



- Cyan (49%)
- Magenta (0%)
- Yellow (8%)
- Black (11%)





- Cyan (55%)
- Magenta (11%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.8033, 0.2574, 0.3536 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 63.8033, 0.2574, 0.3536 by changing the saturation by 10% instead.


 63.8033, 0.2574,
0.3536

 63.8033, 0.2574,
0.3536


438.4790, 0.2834,
0.3421


 46.4914, 0.2514,
0.3563

 110.3276, 0.2665,
0.3496

 32.6338, 0.2439,
0.3596


 140.3088, 0.2700,
0.3480

 21.8460, 0.2343,
0.3637


 175.2818, 0.2730,
0.3467

 13.7438, 0.2217,
0.3692

215.6311, 0.2757,
0.3455

 7.9427, 0.2045,
0.3768

261.7411, 0.2780,
0.3445

 4.0583, 0.1795,
0.3875

313.9962, 0.2800,

 1.7062, 0.1347,

0.3436

0.4069

372.7806, 0.2818,
0.3428

■ 0.4277, 0.0000,
0.4575

■ 0.0000, 0.0000,
0.0000

■ 63.8033, 0.2574,
0.3536

■ 63.8033, 0.2574,
0.3536

■ 62.2426, 0.2502,
0.3595

■ 65.7569, 0.2663,
0.3479

■ 61.0388, 0.2448,
0.3656


■ 68.1217, 0.2767,
0.3425

■ 60.1617, 0.2414,
0.3717


■ 70.9237, 0.2883,
0.3375


■ 59.5728, 0.2399,
0.3778


■ 74.1845, 0.3008,
0.3329


 59.2112, 0.2401,
0.3839

 77.9245, 0.3138,
0.3287

 59.1849, 0.2401,
0.3844

 82.1626, 0.3272,
0.3249

 82.8159, 0.3262,
0.3211

 83.0432, 0.3237,
0.3173

 83.2754, 0.3211,
0.3136

Harmonies

Analogous

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



63.8033, 0.2969, 0.3939



63.8033, 0.2574, 0.3536



63.8033, 0.2334, 0.3083

Triad

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



63.8033, 0.2574, 0.3536



63.8033, 0.2785, 0.2577



63.8033, 0.4034, 0.3758

Complementary

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



63.8033, 0.2574, 0.3536



30.7125, 0.4265, 0.3075

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.



63.8033, 0.3989, 0.3397



63.8033, 0.2574, 0.3536



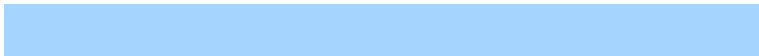
63.8033, 0.3237, 0.2746

Square

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



63.8033, 0.2574, 0.3536



63.8033, 0.2450, 0.2567



63.8033, 0.3689, 0.3038



63.8033, 0.3820, 0.4036

Rectangle

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



63.8033, 0.2574, 0.3536



63.8033, 0.2284, 0.2835



63.8033, 0.3689, 0.3038



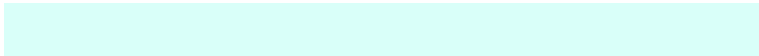
63.8033, 0.4050, 0.3643

Sweetspot

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



63.8058, 0.2574, 0.3536



93.0427, 0.2933, 0.3356



62.0271, 0.3177, 0.4792



19.7296, 0.2907, 0.3366



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.



63.8058, 0.2574, 0.3536



80.1805, 0.2500, 0.3596



47.2344, 0.2393, 0.2815



16.2922, 0.3004, 0.3330



34.1856, 0.2399, 0.3834



2.5373, 0.2374, 0.3746

Inverse Universe

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



30.7125, 0.4265, 0.3075



32.8851, 0.4655, 0.3045



40.0198, 0.4282, 0.3703



14.4077, 0.3266, 0.3250



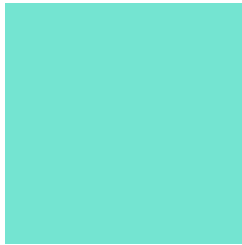
9.6194, 0.6146, 0.3159



0.7228, 0.5769, 0.2952

Previews

White Background



This preview shows how the Yxy color 63.8033, 0.2574, 0.3536 looks on a white background.

Color Contrast Check

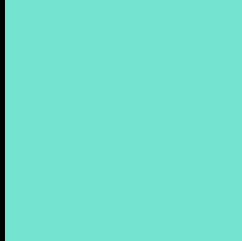
Large Text (above 18pt) WCAG AA × Fail

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 63.8033, 0.2574, 0.3536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

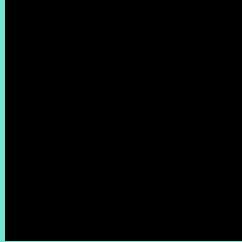
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

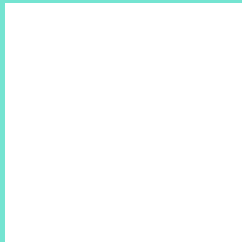
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.8033, 0.2574, 0.3536

Background



This preview shows how black text looks on a background with the Yxy color 63.8033, 0.2574, 0.3536.

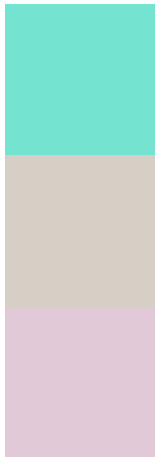


This preview shows how white text looks on a background with the Yxy color 63.8033, 0.2574, 0.3536.

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

63.8033, 0.2574, 0.3536

Protanopia

62.9530, 0.3252, 0.3405

Deuteranopia

62.6871, 0.3212, 0.3136



Tritanopia

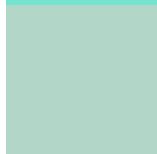
63.5618, 0.2455, 0.3067

Trichromacy



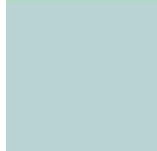
Original Color

63.8033, 0.2574, 0.3536



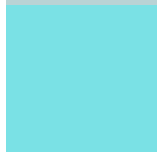
Protanomaly

62.2829, 0.2956, 0.3461



Deuteranomaly

61.7069, 0.2927, 0.3266



Tritanomaly

63.6451, 0.2498, 0.3238

Monochromacy



Original Color

63.8033, 0.2574, 0.3536



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

55.6324, 0.2875, 0.3379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8033, 0.2574, 0.3536 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, 228, 209)` looks like.

```
.text, #text, p{  
    color:rgb(116, 228, 209)  
}
```

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, 228, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 228, 209) }
```

Border

The CSS property to change the border of an element to Yxy 63.8033, 0.2574, 0.3536 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, 228, 209) }
```

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

```
.border{ border-color:rgb(116, 228, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 228, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 228, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 228, 209);  
box-shadow:4px 4px 4px 4px rgb(116, 228,  
209) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 63.8033, 0.2574, 0.3536$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 228, 209) }
```

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

```
.background{ background-color: rgb(116,  
228, 209) }
```

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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