

Converting Colors

$Yxy(59.9466, 0.2673, 0.3575)$

Have a look what the booklet for
Yxy(59.9466, 0.2673, 0.3575)
contains.

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Color

Yxy(59.8528, 0.2673, 0.3580)

Conversions

Conversions Part 1

Format	Color
Hex	80DCC6
RGB	128, 220, 198
RGB Percent	50%, 86%, 78%
CMY	0.4981, 0.1372, 0.2234
CMYK	0.42, 0.00, 0.10, 0.14
HSL	166°, 57%, 68%
HSV	166°, 42%, 86%
XYZ	44.6890, 59.8528, 62.6448
YIQ	189.9840, -47.7700, -26.3460

Conversions

Conversions Part 2

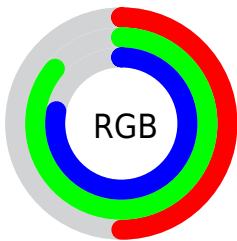
Format	Color
RYB	128, 180, 220
Decimal	8445126
CIELab	81.76, -32.57, 2.21
CIELCh	82, 32.648, 176.127
Yxy	59.8528, 0.2673, 0.3580
Android (android.graphics.Color)	4286635206 (0xFF80DCC6)
YUV	189.9840, 3.9519, -54.3600
Hunter-Lab	77.3646, -32.2791, 6.1460

Details

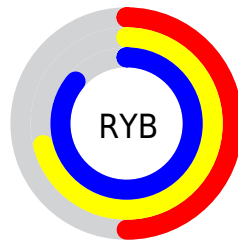
The Yxy color **59.8528, 0.2673, 0.3580** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.8497, 0.3938, 0.3028**, and the grayscale version is **51.4800, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **30.3016, 0.2562, 0.3669** is the 20% darker color. If you saturate the color by 10%, you get **58.0922, 0.2594, 0.3663**, and if you desaturate by 10%, it is **61.9964, 0.2767, 0.3502**.

Distribution



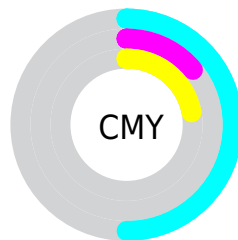
- Red (50%)
- Green (86%)
- Blue (78%)



- Red (50%)
- Yellow (71%)
- Blue (86%)



- Cyan (42%)
- Magenta (0%)
- Yellow (10%)
- Black (14%)





- Cyan (50%)
- Magenta (14%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.8528, 0.2673, 0.3580 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 59.8528, 0.2673, 0.3580 by changing the saturation by 10% instead.

 59.8528, 0.2673,
0.3580

 59.8528, 0.2673,
0.3580


424.0550, 0.2890,
0.3440

 43.3000, 0.2621,
0.3614

 104.6161, 0.2750,
0.3530

 30.1206, 0.2557,
0.3656


 133.5954, 0.2779,
0.3511

 19.9301, 0.2474,
0.3711


 167.4856, 0.2805,
0.3495

 12.3443, 0.2362,
0.3785

206.6712, 0.2826,
0.3481

 6.9786, 0.2205,
0.3890

251.5366, 0.2845,
0.3469

 3.4487, 0.1971,
0.4051

302.4661, 0.2862,

 1.3702, 0.1423,

0.3458

0.4410

359.8441, 0.2877,
0.3448

0.1946, 0.0000,
0.7712

0.0000, 0.0000,
0.0000

59.8528, 0.2673,
0.3580

59.8528, 0.2673,
0.3580

58.0922, 0.2594,
0.3663

61.9964, 0.2767,
0.3502

56.6832, 0.2532,
0.3749


64.5378, 0.2872,
0.3429


55.6011, 0.2488,
0.3837

67.4999, 0.2986,
0.3362

54.8148, 0.2465,
0.3927


70.9015, 0.3105,
0.3301

 54.2871, 0.2461,
0.4015


 74.7605, 0.3227,
0.3246

 53.9967, 0.2469,
0.4087

 78.1364, 0.3315,
0.3195

 78.4352, 0.3278,
0.3144

 78.7430, 0.3243,
0.3092

 79.0597, 0.3207,
0.3042

Harmonies

Analogous

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



59.8528, 0.3052, 0.3919



59.8528, 0.2673, 0.3580



59.8528, 0.2425, 0.3167

Triad

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



59.8528, 0.2673, 0.3580



59.8528, 0.2757, 0.2623



59.8528, 0.3963, 0.3673

Complementary

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



59.8528, 0.2673, 0.3580



32.8497, 0.3938, 0.3028

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.



59.8528, 0.3881, 0.3338



59.8528, 0.2673, 0.3580



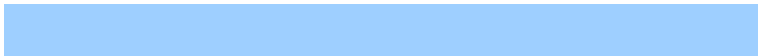
59.8528, 0.3160, 0.2757

Square

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



59.8528, 0.2673, 0.3580



59.8528, 0.2472, 0.2642



59.8528, 0.3579, 0.3012



59.8528, 0.3805, 0.3941

Rectangle

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



59.8528, 0.2673, 0.3580



59.8528, 0.2357, 0.2927



59.8528, 0.3579, 0.3012



59.8528, 0.3964, 0.3565

Sweetspot

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



59.8552, 0.2673, 0.3580



93.7467, 0.2971, 0.3370



59.3246, 0.3220, 0.4521



19.8610, 0.2945, 0.3384



0.0000, 0.0000, 0.0000



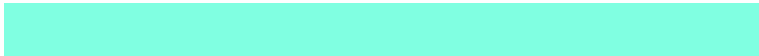
21.4041, 0.3127, 0.3290

Same Dimension

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



59.8552, 0.2673, 0.3580



81.4830, 0.2604, 0.3651



49.6868, 0.2508, 0.2983



14.7736, 0.3014, 0.3346



31.7069, 0.2465, 0.4074



2.0672, 0.2425, 0.3930

Inverse Universe

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



32.8497, 0.3938, 0.3028



39.0346, 0.4202, 0.2979



38.9030, 0.4082, 0.3570



13.1022, 0.3254, 0.3234



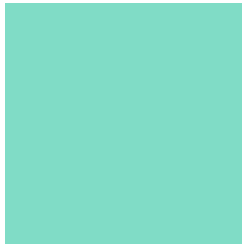
9.0928, 0.5954, 0.3054



0.6026, 0.5489, 0.2797

Previews

White Background



This preview shows how the Yxy color 59.8528, 0.2673, 0.3580 looks on a white background.

Color Contrast Check

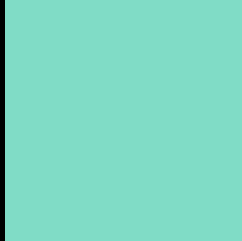
Large Text (above 18pt) WCAG AA × Fail

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 59.8528, 0.2673, 0.3580 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

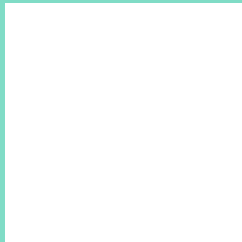
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.8528, 0.2673, 0.3580

Background



This preview shows how black text looks on a background with the Yxy color 59.8528, 0.2673, 0.3580.

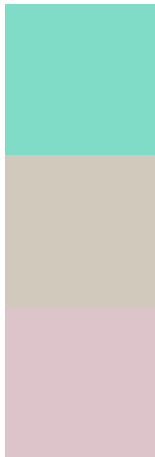


This preview shows how white text looks on a background with the Yxy color 59.8528, 0.2673, 0.3580.

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

59.8528, 0.2673, 0.3580

Protanopia

58.9594, 0.3286, 0.3444

Deuteranopia

59.1638, 0.3275, 0.3211



Tritanopia

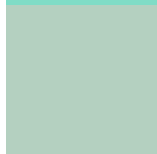
59.7454, 0.2532, 0.3076

Trichromacy



Original Color

59.8528, 0.2673, 0.3580



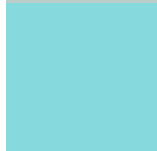
Protanomaly

58.6208, 0.3029, 0.3489



Deuteranomaly

58.4445, 0.3020, 0.3338



Tritanomaly

59.8613, 0.2582, 0.3250

Monochromacy



Original Color

59.8528, 0.2673, 0.3580



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

53.8390, 0.2927, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.8528, 0.2673, 0.3580 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(128, 220, 198)` looks like.

```
.text, #text, p{  
    color:rgb(128, 220, 198)  
}
```

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(128, 220, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 220, 198) }
```

Border

The CSS property to change the border of an element to Yxy 59.8528, 0.2673, 0.3580 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(128, 220, 198) }
```

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

```
.border{ border-color:rgb(128, 220, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 220, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 220, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 220, 198); box-shadow:4px 4px 4px 4px rgb(128, 220, 198) }
```


Background

The CSS property to change the background color of an element to Yxy 59.8528, 0.2673, 0.3580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 220, 198) }
```

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

```
.background{ background-color: rgb(128,  
220, 198) }
```

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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