

Converting Colors

$Y_{xy}(57.6373, 0.2558, 0.3753)$

Have a look what the booklet for
Yxy(57.6373, 0.2558, 0.3753)
contains.

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Color

Yxy(57.5679, 0.2558, 0.3752)

Conversions

Conversions Part 1

Format	Color
Hex	5BDDBC
RGB	91, 221, 188
RGB Percent	36%, 87%, 74%
CMY	0.6431, 0.1333, 0.2628
CMYK	0.59, 0.00, 0.15, 0.13
HSL	165°, 66%, 61%
HSV	165°, 59%, 87%
XYZ	39.2481, 57.5679, 56.6166
YIQ	178.3680, -66.8870, -37.8230

Conversions

Conversions Part 2

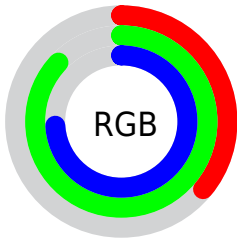
Format	Color
RYB	91, 165, 221
Decimal	6020540
CIELab	80.50, -43.61, 5.55
CIElCh	80, 43.960, 172.748
Yxy	57.5679, 0.2558, 0.3752
Android (android.graphics.Color)	4284210620 (0xFF5BDDBC)
YUV	178.3680, 4.7486, -76.6217
Hunter-Lab	75.8735, -40.4437, 8.8694

Details

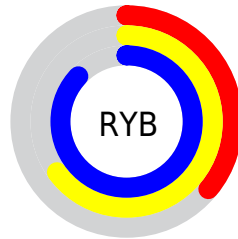
The Yxy color **57.5679, 0.2558, 0.3752** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **24.3129, 0.4465, 0.2918**, and the grayscale version is **44.7293, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7271, 0.2620, 0.3413**, and **28.6595, 0.2409, 0.3873** is the 20% darker color. If you saturate the color by 10%, you get **56.3700, 0.2510, 0.3846**, and if you desaturate by 10%, it is **59.1104, 0.2624, 0.3661**.

Distribution



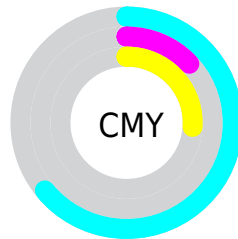
- Red (36%)
- Green (87%)
- Blue (74%)



- Red (36%)
- Yellow (65%)
- Blue (87%)



- Cyan (59%)
- Magenta (0%)
- Yellow (15%)
- Black (13%)




- Cyan (64%)
- Magenta (13%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.5679, 0.2558, 0.3752 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 57.5679, 0.2558, 0.3752 by changing the saturation by 10% instead.


 57.5679, 0.2558,
0.3752


 57.5679, 0.2558,
0.3752

415.5739, 0.2834,
0.3524


 41.4614, 0.2492,
0.3808


 101.2934, 0.2656,
0.3670


 28.6798, 0.2409,
0.3879


 129.6811, 0.2694,
0.3639

 18.8387, 0.2301,
0.3972


 162.9313, 0.2725,
0.3613

 11.5538, 0.2156,
0.4100

 201.4284, 0.2753,
0.3590

 6.4406, 0.1951,
0.4286

245.5568, 0.2777,
0.3570

 3.1148, 0.1643,
0.4578

295.7010, 0.2798,

 1.1920, 0.0190,

0.3553

352.2452, 0.2817,
0.3538

0.5650

0.0551, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

57.5679, 0.2558,
0.3752

57.5679, 0.2558,
0.3752

56.3700, 0.2510,
0.3846

59.1104, 0.2624,
0.3661

55.4798, 0.2482,
0.3942

61.0171, 0.2707,
0.3574

54.8641, 0.2474,
0.4037

63.3141, 0.2803,
0.3492


54.4682, 0.2483,
0.4131


66.0231, 0.2909,
0.3416


 54.4271, 0.2484,
0.4142

 69.1644, 0.3023,
0.3346

 72.7566, 0.3141,
0.3283

 76.8176, 0.3262,
0.3226

 78.8516, 0.3291,
0.3172

 79.1773, 0.3252,
0.3117

Harmonies

Analogous

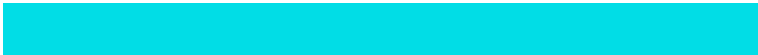
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.5679, 0.3074, 0.4209



57.5679, 0.2558, 0.3752



57.5679, 0.2214, 0.3168

Triad

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



57.5679, 0.2558, 0.3752



57.5679, 0.2573, 0.2400



57.5679, 0.4270, 0.3730

Complementary

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



57.5679, 0.2558, 0.3752



24.3129, 0.4465, 0.2918

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.



57.5679, 0.4127, 0.3285



57.5679, 0.2558, 0.3752



57.5679, 0.3097, 0.2557

Square

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



57.5679, 0.2558, 0.3752



57.5679, 0.2226, 0.2438



57.5679, 0.3680, 0.2871



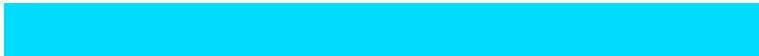
57.5679, 0.4076, 0.4121

Rectangle

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



57.5679, 0.2558, 0.3752



57.5679, 0.2112, 0.2831



57.5679, 0.3680, 0.2871



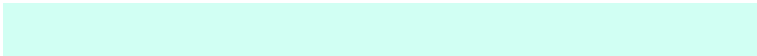
57.5679, 0.4261, 0.3583

Sweetspot

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



57.5702, 0.2558, 0.3752



91.5818, 0.2917, 0.3411



56.8814, 0.3237, 0.5072



19.3515, 0.2884, 0.3432



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.



57.5702, 0.2558, 0.3752



77.5786, 0.2500, 0.3872



44.5643, 0.2309, 0.2864



14.7701, 0.3016, 0.3350



31.6356, 0.2480, 0.4128



2.0631, 0.2437, 0.3974

Inverse Universe

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



24.3129, 0.4465, 0.2918



27.5051, 0.4947, 0.2891



29.8868, 0.4700, 0.3640



13.1055, 0.3252, 0.3231



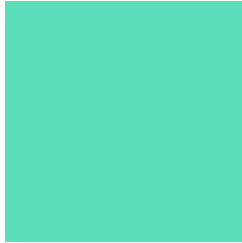
9.1120, 0.5907, 0.3028



0.6042, 0.5438, 0.2770

Previews

White Background



This preview shows how the Yxy color 57.5679, 0.2558, 0.3752 looks on a white background.

Color Contrast Check

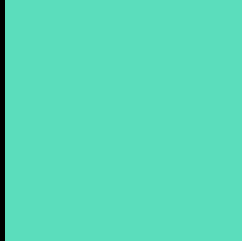
Large Text (above 18pt) WCAG AA × Fail

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 57.5679, 0.2558, 0.3752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

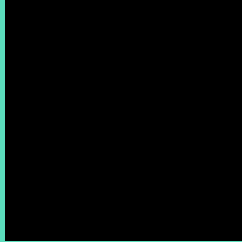
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

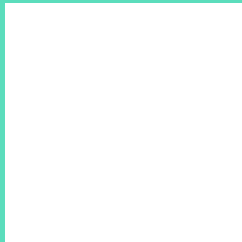
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.5679, 0.2558, 0.3752

Background



This preview shows how black text looks on a background with the Yxy color 57.5679, 0.2558, 0.3752.



This preview shows how white text looks on a background with the Yxy color 57.5679, 0.2558, 0.3752.

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

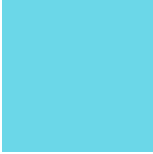
57.5679, 0.2558, 0.3752

Protanopia

56.7882, 0.3365, 0.3555

Deuteranopia

56.6544, 0.3334, 0.3268



Tritanopia

57.5529, 0.2395, 0.3068

Trichromacy



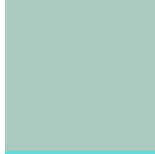
Original Color

57.5679, 0.2558, 0.3752



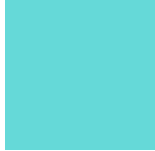
Protanomaly

55.4372, 0.3001, 0.3630



Deuteranomaly

55.2883, 0.2971, 0.3430



Tritanomaly

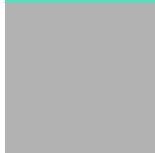
57.3503, 0.2451, 0.3301

Monochromacy



Original Color

57.5679, 0.2558, 0.3752



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

48.0720, 0.2846, 0.3456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.5679, 0.2558, 0.3752 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(91, 221, 188)` looks like.

```
.text, #text, p{  
    color:rgb(91, 221, 188)  
}
```

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(91, 221, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 221, 188) }
```

Border

The CSS property to change the border of an element to Yxy 57.5679, 0.2558, 0.3752 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(91, 221, 188) }
```

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

```
.border{ border-color:rgb(91, 221, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 221, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 221, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 221, 188);  
box-shadow:4px 4px 4px 4px rgb(91, 221,  
188) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 57.5679, 0.2558, 0.3752$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 221, 188) }
```

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

```
.background{ background-color: rgb(91, 221,  
188) }
```

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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