

Converting Colors

$Y_{xy}(57.3619, 0.2542, 0.3778)$

Have a look what the booklet for
Yxy(57.3619, 0.2542, 0.3778)
contains.

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Color

Yxy(57.2321, 0.2540, 0.3769)

Conversions

Conversions Part 1

Format	Color
Hex	55DDBB
RGB	85, 221, 187
RGB Percent	33%, 87%, 73%
CMY	0.6670, 0.1333, 0.2665
CMYK	0.62, 0.00, 0.15, 0.13
HSL	165°, 67%, 60%
HSV	165°, 62%, 87%
XYZ	38.5698, 57.2321, 56.0477
YIQ	176.4600, -70.1420, -39.4060

Conversions

Conversions Part 2

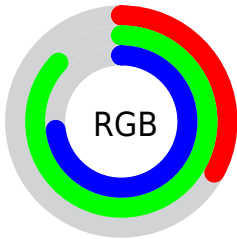
Format	Color
RYB	85, 163, 221
Decimal	5627323
CIELab	80.31, -44.95, 5.77
CIELCh	80, 45.323, 172.692
Yxy	57.2321, 0.2540, 0.3769
Android (android.graphics.Color)	4283817403 (0xFF55DDBB)
YUV	176.4600, 5.1962, -80.2104
Hunter-Lab	75.6519, -41.3857, 9.0306

Details

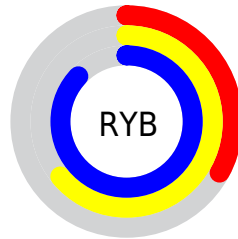
The Yxy color **57.2321, 0.2540, 0.3769** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **23.1873, 0.4574, 0.2915**, and the grayscale version is **43.6599, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1941, 0.2602, 0.3425**, and **28.6315, 0.2415, 0.3894** is the 20% darker color. If you saturate the color by 10%, you get **56.1257, 0.2497, 0.3862**, and if you desaturate by 10%, it is **58.6748, 0.2602, 0.3679**.

Distribution



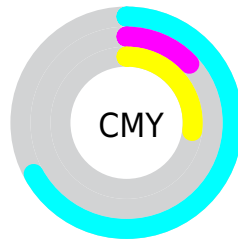
- Red (33%)
- Green (87%)
- Blue (73%)



- Red (33%)
- Yellow (64%)
- Blue (87%)



- Cyan (62%)
- Magenta (0%)
- Yellow (15%)
- Black (13%)





- Cyan (67%)
- Magenta (13%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.2321, 0.2540, 0.3769 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 57.2321, 0.2540, 0.3769 by changing the saturation by 10% instead.


 57.2321, 0.2540,
0.3769


 57.2321, 0.2540,
0.3769

414.3184, 0.2825,
0.3532

 41.1916, 0.2472,
0.3827


 100.8038, 0.2641,
0.3684

 28.4688, 0.2386,
0.3901


 129.1037, 0.2680,
0.3652

 18.6794, 0.2274,
0.3998


 162.2590, 0.2713,
0.3624

 11.4388, 0.2124,
0.4132

 200.6540, 0.2741,
0.3601

 6.3628, 0.1912,
0.4326

244.6730, 0.2766,
0.3580

 3.0669, 0.1594,
0.4632

294.7005, 0.2788,

 1.1668, 0.0000,

0.3562

351.1208, 0.2807,
0.3547

0.5815

0.0343, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

57.2321, 0.2540,
0.3769

57.2321, 0.2540,
0.3769

56.1257, 0.2497,
0.3862

58.6748, 0.2602,
0.3679

55.3177, 0.2474,
0.3956


60.4745, 0.2681,
0.3592

54.7727, 0.2471,
0.4049


62.6579, 0.2773,
0.3510


54.4646, 0.2480,
0.4127

65.2472, 0.2878,
0.3433

 68.2630, 0.2990,
0.3363

 71.7244, 0.3108,
0.3299

 75.6494, 0.3229,
0.3242

 78.7566, 0.3302,
0.3189

 79.0736, 0.3265,
0.3135

Harmonies

Analogous

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



57.2321, 0.3071, 0.4243



57.2321, 0.2540, 0.3769



57.2321, 0.2186, 0.3163

Triad

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



57.2321, 0.2540, 0.3769



57.2321, 0.2554, 0.2374



57.2321, 0.4307, 0.3739

Complementary

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



57.2321, 0.2540, 0.3769



23.1873, 0.4574, 0.2915

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.



57.2321, 0.4160, 0.3281



57.2321, 0.2540, 0.3769



57.2321, 0.3094, 0.2536

Square

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



57.2321, 0.2540, 0.3769



57.2321, 0.2199, 0.2412



57.2321, 0.3697, 0.2857



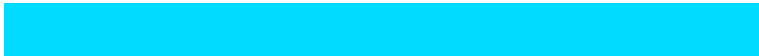
57.2321, 0.4105, 0.4144

Rectangle

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



57.2321, 0.2540, 0.3769



57.2321, 0.2082, 0.2816



57.2321, 0.3697, 0.2857



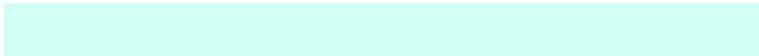
57.2321, 0.4298, 0.3588

Sweetspot

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



57.2343, 0.2540, 0.3769



91.5938, 0.2915, 0.3409



56.2898, 0.3220, 0.5165



19.3545, 0.2883, 0.3430



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.



57.2343, 0.2540, 0.3769



77.2376, 0.2488, 0.3890



42.6834, 0.2273, 0.2807



14.7711, 0.3015, 0.3349



31.6556, 0.2476, 0.4112



2.0642, 0.2434, 0.3961

Inverse Universe

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



23.1873, 0.4574, 0.2915



26.3930, 0.5078, 0.2900



29.2081, 0.4788, 0.3676



13.1046, 0.3253, 0.3232



9.1064, 0.5920, 0.3035



0.6038, 0.5453, 0.2777

Previews

White Background



This preview shows how the Yxy color 57.2321, 0.2540, 0.3769 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 57.2321, 0.2540, 0.3769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

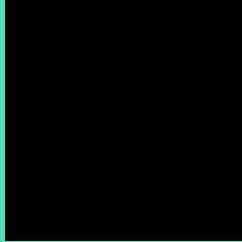
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

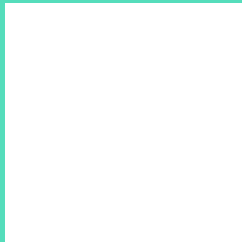
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.2321, 0.2540, 0.3769

Background



This preview shows how black text looks on a background with the Yxy color 57.2321, 0.2540, 0.3769.

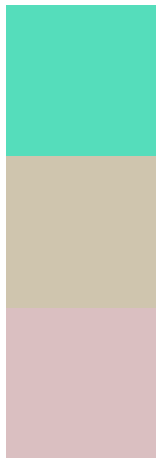


This preview shows how white text looks on a background with the Yxy color 57.2321, 0.2540, 0.3769.

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

57.2321, 0.2540, 0.3769

Protanopia

56.2539, 0.3383, 0.3568

Deuteranopia

56.0173, 0.3335, 0.3267



Tritanopia

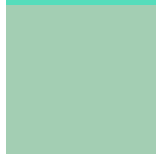
57.2519, 0.2376, 0.3067

Trichromacy



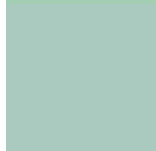
Original Color

57.2321, 0.2540, 0.3769



Protanomaly

55.1838, 0.2993, 0.3645



Deuteranomaly

54.5487, 0.2963, 0.3431



Tritanomaly

57.0704, 0.2431, 0.3301

Monochromacy



Original Color

57.2321, 0.2540, 0.3769



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

46.8342, 0.2836, 0.3458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.2321, 0.2540, 0.3769 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(85, 221, 187)` looks like.

```
.text, #text, p{  
    color:rgb(85, 221, 187)  
}
```

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(85, 221, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 221, 187) }
```

Border

The CSS property to change the border of an element to Yxy 57.2321, 0.2540, 0.3769 is called "border". The border property can be set on classes, ids or directly on the HTML element.

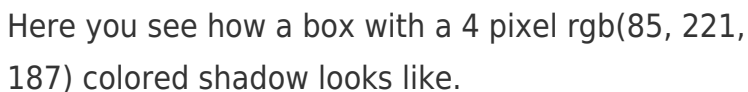
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(85, 221, 187) }
```

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

```
.border{ border-color:rgb(85, 221, 187) }
```

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



Here you see how a box with a 4 pixel `rgb(85, 221, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(85, 221, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(85, 221, 187); box-shadow:4px 4px 4px 4px rgb(85, 221, 187) }
```


Background

The CSS property to change the background color of an element to Yxy 57.2321, 0.2540, 0.3769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 221, 187) }
```

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

```
.background{ background-color: rgb(85, 221,  
187) }
```

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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