

Converting Colors

$Yxy(54.9916, 0.2550, 0.3756)$

Have a look what the booklet for
Yxy(54.9916, 0.2550, 0.3756)
contains.

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Color

Yxy(55.1126, 0.2552, 0.3761)

Conversions

Conversions Part 1

Format	Color
Hex	57D9B8
RGB	87, 217, 184
RGB Percent	34%, 85%, 72%
CMY	0.6589, 0.1490, 0.2783
CMYK	0.60, 0.00, 0.15, 0.15
HSL	165°, 63%, 60%
HSV	165°, 60%, 85%
XYZ	37.3963, 55.1126, 54.0282
YIQ	174.3680, -66.8870, -37.8230

Conversions

Conversions Part 2

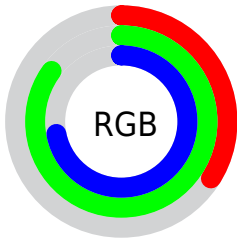
Format	Color
RYB	87, 161, 217
Decimal	5757368
CIELab	79.11, -43.56, 5.64
CIELCh	79, 43.922, 172.624
Yxy	55.1126, 0.2552, 0.3761
Android (android.graphics.Color)	4283947448 (0xFF57D9B8)
YUV	174.3680, 4.7486, -76.6217
Hunter-Lab	74.2379, -39.9994, 8.8169

Details

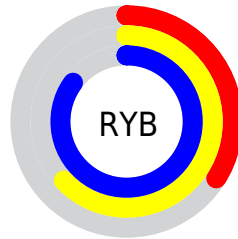
The Yxy color **55.1126, 0.2552, 0.3761** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **22.9224, 0.4502, 0.2914**, and the grayscale version is **42.5280, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1072, 0.2620, 0.3459**, and **27.1284, 0.2413, 0.3887** is the 20% darker color. If you saturate the color by 10%, you get **53.9963, 0.2506, 0.3855**, and if you desaturate by 10%, it is **56.5560, 0.2617, 0.3670**.

Distribution



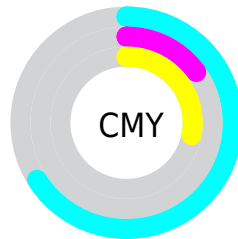
- Red (34%)
- Green (85%)
- Blue (72%)



- Red (34%)
- Yellow (63%)
- Blue (85%)



- Cyan (60%)
- Magenta (0%)
- Yellow (15%)
- Black (15%)





- Cyan (66%)
- Magenta (15%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.1126, 0.2552, 0.3761 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 55.1126, 0.2552, 0.3761 by changing the saturation by 10% instead.

 55.1126, 0.2552,
0.3761

 55.1126, 0.2552,
0.3761


406.3386, 0.2833,
0.3527

 39.4919, 0.2484,
0.3819

 97.7059, 0.2652,
0.3676


 27.1426, 0.2398,
0.3893


 125.4473, 0.2691,
0.3644

 17.6803, 0.2287,
0.3991


 157.9977, 0.2723,
0.3617

 10.7207, 0.2135,
0.4126

 195.7415, 0.2751,
0.3594

 5.8794, 0.1920,
0.4324

239.0631, 0.2775,
0.3574

 2.7719, 0.1593,
0.4640

288.3469, 0.2797,

 1.0138, 0.0000,

0.3556

0.5904

343.9773, 0.2816,
0.3541

0.0000, 0.0000,
0.0000

55.1126, 0.2552,
0.3761

55.1126, 0.2552,
0.3761

53.9963, 0.2506,
0.3855

56.5560, 0.2617,
0.3670

53.1714, 0.2480,
0.3950

58.3457, 0.2697,
0.3582

52.6056, 0.2473,
0.4045

60.5068, 0.2792,
0.3500

52.2374, 0.2483,
0.4139

63.0603, 0.2897,
0.3423

52.2344, 0.2483,
0.4140

66.0256, 0.3010,
0.3353

■ 69.4208, 0.3128,
0.3289

■ 73.2630, 0.3249,
0.3232

■ 76.4918, 0.3329,
0.3180

■ 76.8025, 0.3290,
0.3126

Harmonies

Analogous

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



55.1126, 0.3074, 0.4224



55.1126, 0.2552, 0.3761



55.1126, 0.2203, 0.3168

Triad

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



55.1126, 0.2552, 0.3761



55.1126, 0.2563, 0.2389



55.1126, 0.4286, 0.3732

Complementary

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



55.1126, 0.2552, 0.3761



22.9224, 0.4502, 0.2914

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.



55.1126, 0.4139, 0.3282



55.1126, 0.2552, 0.3761



55.1126, 0.3094, 0.2547

Square

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



55.1126, 0.2552, 0.3761



55.1126, 0.2213, 0.2428



55.1126, 0.3685, 0.2864



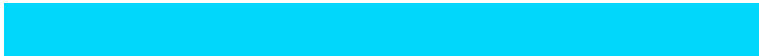
55.1126, 0.4089, 0.4130

Rectangle

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



55.1126, 0.2552, 0.3761



55.1126, 0.2100, 0.2826



55.1126, 0.3685, 0.2864



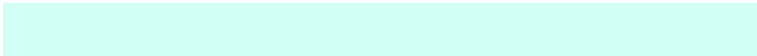
55.1126, 0.4276, 0.3583

Sweetspot

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



55.1148, 0.2552, 0.3761



91.5826, 0.2916, 0.3411



54.4280, 0.3236, 0.5104



19.3517, 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.



55.1148, 0.2552, 0.3761



77.4502, 0.2497, 0.3881



42.4351, 0.2298, 0.2855



14.7702, 0.3016, 0.3350



31.6369, 0.2480, 0.4127



2.0632, 0.2437, 0.3973

Inverse Universe

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



22.9224, 0.4502, 0.2914



27.1248, 0.4987, 0.2891



28.2391, 0.4740, 0.3644



13.1054, 0.3252, 0.3231



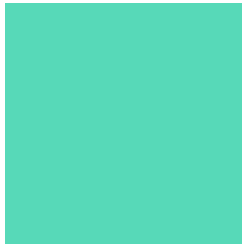
9.1116, 0.5908, 0.3028



0.6042, 0.5439, 0.2770

Previews

White Background



This preview shows how the Yxy color 55.1126, 0.2552, 0.3761 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 55.1126, 0.2552, 0.3761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

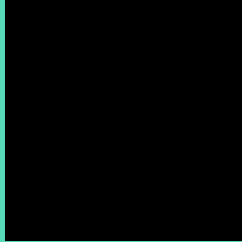
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

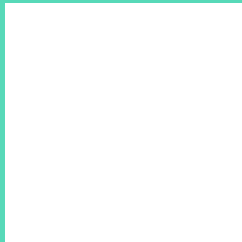
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.1126, 0.2552, 0.3761

Background



This preview shows how black text looks on a background with the Yxy color 55.1126, 0.2552, 0.3761.



This preview shows how white text looks on a background with the Yxy color 55.1126, 0.2552, 0.3761.

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

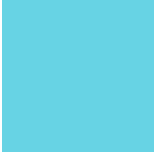
55.1126, 0.2552, 0.3761

Protanopia

54.2586, 0.3370, 0.3560

Deuteranopia

54.1312, 0.3338, 0.3267



Tritanopia

55.0735, 0.2386, 0.3064

Trichromacy



Original Color

55.1126, 0.2552, 0.3761



Protanomaly

52.9527, 0.2998, 0.3637



Deuteranomaly

52.8025, 0.2968, 0.3433



Tritanomaly

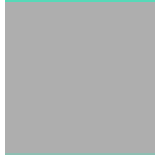
54.8834, 0.2443, 0.3302

Monochromacy



Original Color

55.1126, 0.2552, 0.3761



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

45.7920, 0.2841, 0.3459

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.1126, 0.2552, 0.3761 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(87, 217, 184)` looks like.

```
.text, #text, p{  
    color:rgb(87, 217, 184)  
}
```

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(87, 217, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 217, 184) }
```

Border

The CSS property to change the border of an element to Yxy 55.1126, 0.2552, 0.3761 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(87, 217, 184) }
```

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

```
.border{ border-color:rgb(87, 217, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 217, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 217, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 217, 184);  
box-shadow:4px 4px 4px 4px rgb(87, 217,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 55.1126, 0.2552, 0.3761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 217, 184) }
```

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

```
.background{ background-color: rgb(87, 217,  
184) }
```

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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