

Converting Colors

$Y_{xy}(55.0801, 0.2558, 0.3755)$

Have a look what the booklet for
Yxy(55.0801, 0.2558, 0.3755)
contains.

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Color

Yxy(55.2102, 0.2560, 0.3760)

Conversions

Conversions Part 1

Format	Color
Hex	59D9B8
RGB	89, 217, 184
RGB Percent	35%, 85%, 72%
CMY	0.6508, 0.1490, 0.2783
CMYK	0.59, 0.00, 0.15, 0.15
HSL	165°, 63%, 60%
HSV	165°, 59%, 85%
XYZ	37.5899, 55.2102, 54.0355
YIQ	174.9660, -65.6950, -37.3990

Conversions

Conversions Part 2

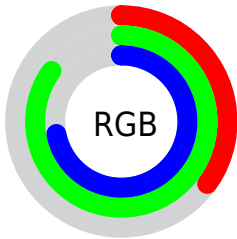
Format	Color
RYB	89, 162, 217
Decimal	5888440
CIELab	79.16, -43.17, 5.73
CIElCh	79, 43.548, 172.441
Yxy	55.2102, 0.2560, 0.3760
Android (android.graphics.Color)	4284078520 (0xFF59D9B8)
YUV	174.9660, 4.4538, -75.3922
Hunter-Lab	74.3036, -39.7287, 8.8952

Details

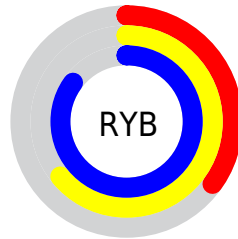
The Yxy color **55.2102, 0.2560, 0.3760** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **23.3110, 0.4460, 0.2912**, and the grayscale version is **42.8622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2953, 0.2629, 0.3459**, and **27.1284, 0.2413, 0.3887** is the 20% darker color. If you saturate the color by 10%, you get **54.0617, 0.2513, 0.3856**, and if you desaturate by 10%, it is **56.6887, 0.2626, 0.3667**.

Distribution



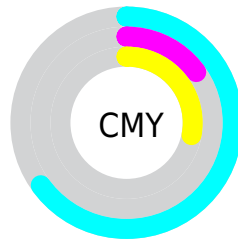
- Red (35%)
- Green (85%)
- Blue (72%)



- Red (35%)
- Yellow (64%)
- Blue (85%)



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





- Cyan (65%)
- Magenta (15%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.2102, 0.2560, 0.3760 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 55.2102, 0.2560, 0.3760 by changing the saturation by 10% instead.


 55.2102, 0.2560,
0.3760


 55.2102, 0.2560,
0.3760


406.7082, 0.2837,
0.3526


 39.5700, 0.2493,
0.3818


 97.8489, 0.2659,
0.3675


 27.2035, 0.2409,
0.3892


 125.6162, 0.2697,
0.3644

 17.7261, 0.2298,
0.3989


 158.1946, 0.2729,
0.3617

 10.7535, 0.2149,
0.4124

 195.9686, 0.2756,
0.3594

 5.9013, 0.1936,
0.4322

239.3226, 0.2780,
0.3573

 2.7852, 0.1612,
0.4638

288.6409, 0.2801,

 1.0206, 0.0000,

0.3556

0.5918

344.3080, 0.2820,
0.3540

■ 0.0000, 0.0000,
0.0000

■ 55.2102, 0.2560,
0.3760

■ 55.2102, 0.2560,
0.3760

■ 54.0617, 0.2513,
0.3856

■ 56.6887, 0.2626,
0.3667

■ 53.2079, 0.2485,
0.3952

■ 58.5159, 0.2708,
0.3579

■ 52.6169, 0.2477,
0.4049

■ 60.7169, 0.2803,
0.3496

■ 52.2350, 0.2486,
0.4145

■ 63.3125, 0.2909,
0.3418

■ 52.1999, 0.2488,
0.4155

■ 66.3220, 0.3022,
0.3348

■ 69.7633, 0.3140,
0.3284

■ 73.6535, 0.3260,
0.3226

■ 76.5280, 0.3324,
0.3173

■ 76.8450, 0.3284,
0.3118

Harmonies

Analogous

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



55.2102, 0.3079, 0.4217



55.2102, 0.2560, 0.3760



55.2102, 0.2212, 0.3173

Triad

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



55.2102, 0.2560, 0.3760



55.2102, 0.2566, 0.2396



55.2102, 0.4275, 0.3727

Complementary

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



55.2102, 0.2560, 0.3760



23.3110, 0.4460, 0.2912

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.



55.2102, 0.4128, 0.3280



55.2102, 0.2560, 0.3760



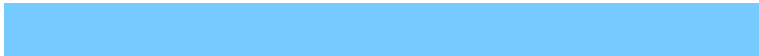
55.2102, 0.3091, 0.2552

Square

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



55.2102, 0.2560, 0.3760



55.2102, 0.2220, 0.2436



55.2102, 0.3677, 0.2865



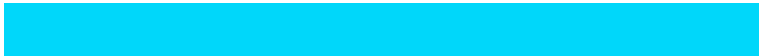
55.2102, 0.4083, 0.4121

Rectangle

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



55.2102, 0.2560, 0.3760



55.2102, 0.2109, 0.2834



55.2102, 0.3677, 0.2865



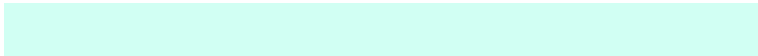
55.2102, 0.4265, 0.3579

Sweetspot

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



55.2124, 0.2560, 0.3760



91.5713, 0.2917, 0.3413



54.5700, 0.3237, 0.5074



19.3489, 0.2885, 0.3434



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.



55.2124, 0.2560, 0.3760



77.5448, 0.2503, 0.3882



42.7378, 0.2308, 0.2863



14.7693, 0.3016, 0.3351



31.6181, 0.2484, 0.4141



2.0621, 0.2440, 0.3985

Inverse Universe

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



23.3110, 0.4460, 0.2912



27.5218, 0.4937, 0.2884



28.6452, 0.4703, 0.3640



13.1063, 0.3251, 0.3230



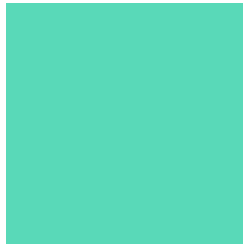
9.1170, 0.5895, 0.3021



0.6047, 0.5426, 0.2763

Previews

White Background



This preview shows how the Yxy color 55.2102, 0.2560, 0.3760 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 55.2102, 0.2560, 0.3760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

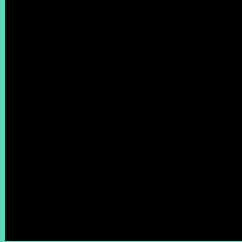
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

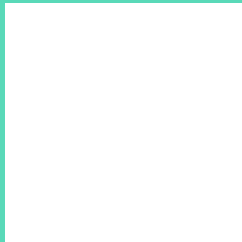
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.2102, 0.2560, 0.3760

Background



This preview shows how black text looks on a background with the Yxy color 55.2102, 0.2560, 0.3760.



This preview shows how white text looks on a background with the Yxy color 55.2102, 0.2560, 0.3760.

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

55.2102, 0.2560, 0.3760

Protanopia

54.2586, 0.3370, 0.3560

Deuteranopia

54.1312, 0.3338, 0.3267



Tritanopia

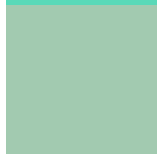
55.1932, 0.2394, 0.3065

Trichromacy



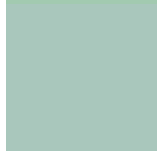
Original Color

55.2102, 0.2560, 0.3760



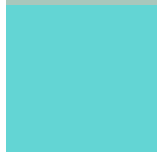
Protanomaly

53.0570, 0.3006, 0.3636



Deuteranomaly

52.9127, 0.2975, 0.3433



Tritanomaly

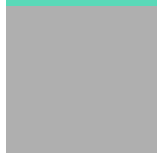
54.9946, 0.2451, 0.3302

Monochromacy



Original Color

55.2102, 0.2560, 0.3760



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

45.9706, 0.2855, 0.3459

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.2102, 0.2560, 0.3760 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(89, 217, 184)` looks like.

```
.text, #text, p{  
    color:rgb(89, 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(89, 217, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 217, 184) }
```

Border

The CSS property to change the border of an element to Yxy 55.2102, 0.2560, 0.3760 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(89, 217, 184) }
```

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

```
.border{ border-color:rgb(89, 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(89, 217, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 217, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 217, 184);  
box-shadow:4px 4px 4px 4px rgb(89, 217,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 55.2102, 0.2560, 0.3760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 217, 184) }
```

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

```
.background{ background-color: rgb(89, 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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