

Converting Colors

$Yxy(55.8992, 0.2511, 0.3743)$

Have a look what the booklet for
Yxy(55.8992, 0.2511, 0.3743)
contains.

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Color

Yxy(55.8706, 0.2511, 0.3746)

Conversions

Conversions Part 1

Format	Color
Hex	4EDBBB
RGB	78, 219, 187
RGB Percent	31%, 86%, 73%
CMY	0.6936, 0.1412, 0.2666
CMYK	0.64, 0.00, 0.15, 0.14
HSL	166°, 66%, 58%
HSV	166°, 64%, 86%
XYZ	37.4509, 55.8706, 55.8259
YIQ	173.1930, -73.7640, -39.8440

Conversions

Conversions Part 2

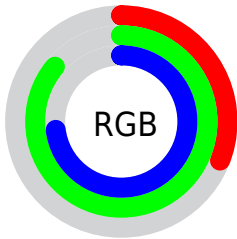
Format	Color
RYB	78, 158, 219
Decimal	5168059
CIELab	79.54, -45.25, 4.65
CIELCh	80, 45.490, 174.133
Yxy	55.8706, 0.2511, 0.3746
Android (android.graphics.Color)	4283358139 (0xFF4EDBBB)
YUV	173.1930, 6.8069, -83.4843
Hunter-Lab	74.7466, -41.3713, 8.0409

Details

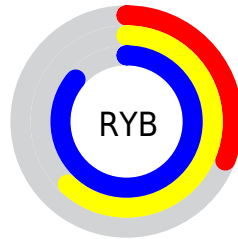
The Yxy color **55.8706, 0.2511, 0.3746** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **21.6546, 0.4727, 0.2944**, and the grayscale version is **41.9042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6538, 0.2577, 0.3426**, and **27.9156, 0.2405, 0.3859** is the 20% darker color. If you saturate the color by 10%, you get **54.8857, 0.2472, 0.3830**, and if you desaturate by 10%, it is **57.1753, 0.2570, 0.3664**.

Distribution



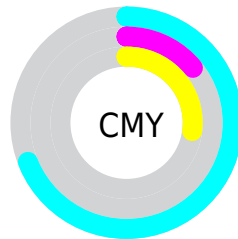
- Red (31%)
- Green (86%)
- Blue (73%)



- Red (31%)
- Yellow (62%)
- Blue (86%)



- Cyan (64%)
- Magenta (0%)
- Yellow (15%)
- Black (14%)




- Cyan (69%)
- Magenta (14%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.8706, 0.2511, 0.3746 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 55.8706, 0.2511, 0.3746 by changing the saturation by 10% instead.


 55.8706, 0.2511,
0.3746

 55.8706, 0.2511,
0.3746


409.2037, 0.2810,
0.3521

 40.0992, 0.2439,
0.3801


 98.8154, 0.2618,
0.3665

 27.6159, 0.2349,
0.3871


 126.7575, 0.2658,
0.3634

 18.0363, 0.2232,
0.3964


 159.5253, 0.2693,
0.3608

 10.9761, 0.2074,
0.4090

 197.5032, 0.2723,
0.3586

 6.0507, 0.1851,
0.4274

241.0756, 0.2749,
0.3566

 2.8760, 0.1517,
0.4563

290.6269, 0.2772,

 1.0673, 0.0000,

0.3549

0.5641

346.5414, 0.2792,
0.3534

0.0000, 0.0000,
0.0000

55.8706, 0.2511,
0.3746

55.8706, 0.2511,
0.3746

54.8857, 0.2472,
0.3830

57.1753, 0.2570,
0.3664

54.1819, 0.2452,
0.3914

58.8208, 0.2646,
0.3584


53.7227, 0.2452,
0.3998

60.8340, 0.2737,
0.3509

53.5340, 0.2457,
0.4045

63.2370, 0.2841,
0.3439

66.0504, 0.2954,
0.3373

 69.2932, 0.3074,
0.3314

 72.9833, 0.3198,
0.3260

 77.1375, 0.3323,
0.3212

 77.7322, 0.3300,
0.3163

Harmonies

Analogous

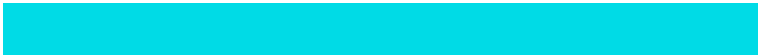
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.8706, 0.3042, 0.4240



55.8706, 0.2511, 0.3746



55.8706, 0.2165, 0.3133

Triad

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



55.8706, 0.2511, 0.3746



55.8706, 0.2570, 0.2368



55.8706, 0.4319, 0.3764

Complementary

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



55.8706, 0.2511, 0.3746



21.6546, 0.4727, 0.2944

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.



55.8706, 0.4187, 0.3303



55.8706, 0.2511, 0.3746



55.8706, 0.3123, 0.2540

Square

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



55.8706, 0.2511, 0.3746



55.8706, 0.2201, 0.2396



55.8706, 0.3731, 0.2871



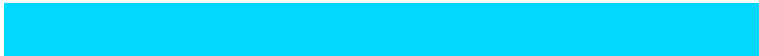
55.8706, 0.4099, 0.4169

Rectangle

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



55.8706, 0.2511, 0.3746



55.8706, 0.2068, 0.2788



55.8706, 0.3731, 0.2871



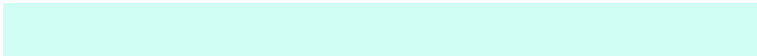
55.8706, 0.4316, 0.3612

Sweetspot

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



55.8728, 0.2511, 0.3746



91.2522, 0.2899, 0.3404



54.5908, 0.3202, 0.5256



19.2912, 0.2866, 0.3423



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.



55.8728, 0.2511, 0.3746



77.1128, 0.2463, 0.3858



39.9621, 0.2237, 0.2746



14.7763, 0.3012, 0.3344



31.7627, 0.2454, 0.4033



2.0704, 0.2416, 0.3897

Inverse Universe

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



21.6546, 0.4727, 0.2944



25.3361, 0.5262, 0.2947



28.0311, 0.4872, 0.3711



13.0997, 0.3256, 0.3237



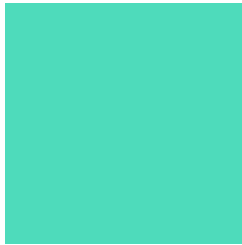
9.0789, 0.5989, 0.3073



0.6014, 0.5526, 0.2818

Previews

White Background



This preview shows how the Yxy color 55.8706, 0.2511, 0.3746 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 55.8706, 0.2511, 0.3746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

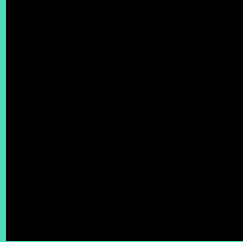
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.8706, 0.2511, 0.3746

Background



This preview shows how black text looks on a background with the Yxy color 55.8706, 0.2511, 0.3746.



This preview shows how white text looks on a background with the Yxy color 55.8706, 0.2511, 0.3746.

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

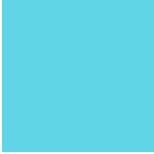
55.8706, 0.2511, 0.3746

Protanopia

54.9236, 0.3361, 0.3546

Deuteranopia

54.6925, 0.3312, 0.3244



Tritanopia

55.7885, 0.2356, 0.3064

Trichromacy



Original Color

55.8706, 0.2511, 0.3746



Protanomaly

53.7095, 0.2957, 0.3623



Deuteranomaly

53.0695, 0.2926, 0.3407



Tritanomaly

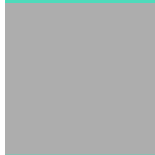
55.6296, 0.2413, 0.3302

Monochromacy



Original Color

55.8706, 0.2511, 0.3746



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

45.5302, 0.2819, 0.3460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8706, 0.2511, 0.3746 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(78, 219, 187)` looks like.

```
.text, #text, p{  
    color:rgb(78, 219, 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(78, 219, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 219, 187) }
```

Border

The CSS property to change the border of an element to Yxy 55.8706, 0.2511, 0.3746 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(78, 219, 187) }
```

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

```
.border{ border-color:rgb(78, 219, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 219, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(78, 219, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(78, 219, 187); box-shadow:4px 4px 4px 4px rgb(78, 219, 187) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8706, 0.2511, 0.3746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 219, 187) }
```

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

```
.background{ background-color: rgb(78, 219,  
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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