

Converting Colors

$Y_{xy}(55.2882, 0.2676, 0.3971)$

Have a look what the booklet for
Yxy(55.2882, 0.2676, 0.3971)
contains.

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Color

Yxy(55.1806, 0.2675, 0.3967)

Conversions

Conversions Part 1

Format	Color
Hex	63D9AA
RGB	99, 217, 170
RGB Percent	39%, 85%, 67%
CMY	0.6119, 0.1490, 0.3334
CMYK	0.54, 0.00, 0.22, 0.15
HSL	156°, 61%, 62%
HSV	156°, 54%, 85%
XYZ	37.2090, 55.1806, 46.7095
YIQ	176.3600, -55.2410, -39.6330

Conversions

Conversions Part 2

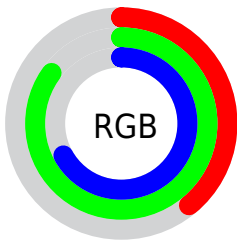
Format	Color
RYB	99, 173, 217
Decimal	6543786
CIELab	79.15, -44.34, 13.21
CIELCh	79, 46.264, 163.416
Yxy	55.1806, 0.2675, 0.3967
Android (android.graphics.Color)	4284733866 (0xFF63D9AA)
YUV	176.3600, -3.1355, -67.8447
Hunter-Lab	74.2836, -40.5850, 14.7171

Details

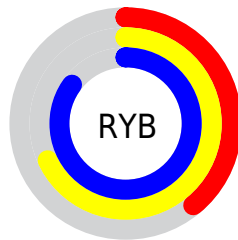
The Yxy color **55.1806, 0.2675, 0.3967** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **25.7443, 0.4064, 0.2734**, and the grayscale version is **43.6470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2253, 0.2737, 0.3633**, and **27.0891, 0.2544, 0.4157** is the 20% darker color. If you saturate the color by 10%, you get **53.8045, 0.2631, 0.4119**, and if you desaturate by 10%, it is **56.9109, 0.2736, 0.3821**.

Distribution



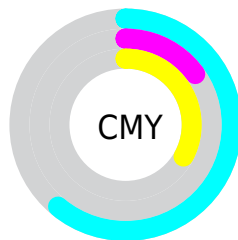
- Red (39%)
- Green (85%)
- Blue (67%)



- Red (39%)
- Yellow (68%)
- Blue (85%)



- Cyan (54%)
- Magenta (0%)
- Yellow (22%)
- Black (15%)





- Cyan (61%)
- Magenta (15%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.1806, 0.2675, 0.3967 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 55.1806, 0.2675, 0.3967 by changing the saturation by 10% instead.


 55.1806, 0.2675,
0.3967

 55.1806, 0.2675,
0.3967


406.5962, 0.2901,
0.3623


 39.5463, 0.2619,
0.4054


 97.8055, 0.2757,
0.3841


 27.1850, 0.2547,
0.4167


 125.5649, 0.2788,
0.3794

 17.7122, 0.2451,
0.4318


 158.1349, 0.2814,
0.3754

 10.7436, 0.2318,
0.4531

 195.8998, 0.2836,
0.3721

 5.8947, 0.2123,
0.4852

239.2439, 0.2856,
0.3691

 2.7811, 0.1811,
0.5385

288.5518, 0.2873,

 1.0186, 0.0000,

0.3666

0.8504

344.2077, 0.2888,
0.3643

0.0000, 0.0000,
0.0000

55.1806, 0.2675,
0.3967

55.1806, 0.2675,
0.3967

53.8045, 0.2631,
0.4119

56.9109, 0.2736,
0.3821

52.7486, 0.2605,
0.4275

59.0132, 0.2810,
0.3683

51.9835, 0.2600,
0.4431

61.5118, 0.2895,
0.3555

51.4707, 0.2615,
0.4583

64.4271, 0.2987,
0.3439

51.2576, 0.2630,
0.4667

67.7780, 0.3084,
0.3333

■ 71.5822, 0.3183,
0.3238

■ 75.8566, 0.3281,
0.3154

■ 77.1314, 0.3251,
0.3071

■ 77.6551, 0.3193,
0.2988

Harmonies

Analogous

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



55.1806, 0.3253, 0.4360



55.1806, 0.2675, 0.3967



55.1806, 0.2245, 0.3347

Triad

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



55.1806, 0.2675, 0.3967



55.1806, 0.2400, 0.2336



55.1806, 0.4339, 0.3605

Complementary

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



55.1806, 0.2675, 0.3967



25.7443, 0.4064, 0.2734

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.



55.1806, 0.4075, 0.3137



55.1806, 0.2675, 0.3967



55.1806, 0.2905, 0.2443

Square

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



55.1806, 0.2675, 0.3967



55.1806, 0.2105, 0.2443



55.1806, 0.3527, 0.2727



55.1806, 0.4235, 0.4051

Rectangle

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



55.1806, 0.2675, 0.3967



55.1806, 0.2087, 0.2954



55.1806, 0.3527, 0.2727



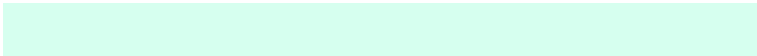
55.1806, 0.4291, 0.3447

Sweetspot

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



55.1828, 0.2675, 0.3967



92.0632, 0.2971, 0.3458



56.6585, 0.3350, 0.4872



19.5125, 0.2952, 0.3482



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.



55.1828, 0.2675, 0.3967



77.3290, 0.2627, 0.4138



51.4215, 0.2405, 0.3127



14.7371, 0.3035, 0.3385



31.0468, 0.2624, 0.4645



2.0282, 0.2555, 0.4399

Inverse Universe

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



25.7443, 0.4064, 0.2734



30.8225, 0.4377, 0.2657



26.9710, 0.4649, 0.3433



13.1370, 0.3230, 0.3197



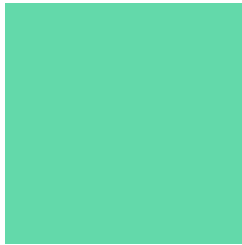
9.3606, 0.5374, 0.2734



0.6231, 0.4941, 0.2496

Previews

White Background



This preview shows how the Yxy color 55.1806, 0.2675, 0.3967 looks on a white background.

Color Contrast Check

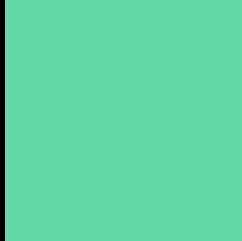
Large Text (above 18pt) WCAG AA × Fail

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 55.1806, 0.2675, 0.3967 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

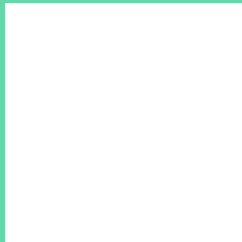
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.1806, 0.2675, 0.3967

Background



This preview shows how black text looks on a background with the Yxy color 55.1806, 0.2675, 0.3967.



This preview shows how white text looks on a background with the Yxy color 55.1806, 0.2675, 0.3967.

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

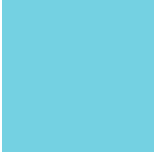
55.1806, 0.2675, 0.3967

Protanopia

54.2086, 0.3498, 0.3718

Deuteranopia

54.3167, 0.3496, 0.3431



Tritanopia

54.8049, 0.2446, 0.3066

Trichromacy



Original Color

55.1806, 0.2675, 0.3967



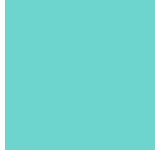
Protanomaly

53.1009, 0.3133, 0.3810



Deuteranomaly

53.1329, 0.3128, 0.3615



Tritanomaly

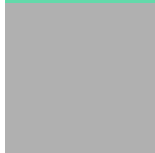
54.8582, 0.2526, 0.3370

Monochromacy



Original Color

55.1806, 0.2675, 0.3967



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

46.6135, 0.2913, 0.3528

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.1806, 0.2675, 0.3967 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(99, 217, 170)` looks like.

```
.text, #text, p{  
    color:rgb(99, 217, 170)  
}
```

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(99, 217, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 217, 170) }
```

Border

The CSS property to change the border of an element to Yxy 55.1806, 0.2675, 0.3967 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(99, 217, 170) }
```

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

```
.border{ border-color:rgb(99, 217, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 217, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 217, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 217, 170);  
box-shadow:4px 4px 4px 4px rgb(99, 217,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 55.1806, 0.2675, 0.3967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 217, 170) }
```

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

```
.background{ background-color: rgb(99, 217,  
170) }
```

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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