

Converting Colors

$Yxy(55.9519, 0.2655, 0.3736)$

Have a look what the booklet for
Yxy(55.9519, 0.2655, 0.3736)
contains.

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Color

Yxy(55.9519, 0.2655, 0.3736)

Conversions

Conversions Part 1

Format	Color
Hex	6FD8B8
RGB	111, 216, 184
RGB Percent	44%, 85%, 72%
CMY	0.5647, 0.1529, 0.2784
CMYK	0.49, 0.00, 0.15, 0.15
HSL	162°, 57%, 64%
HSV	162°, 49%, 85%
XYZ	39.7624, 55.9519, 54.0499
YIQ	180.9570, -52.3080, -32.2120

Conversions

Conversions Part 2

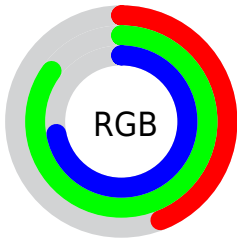
Format	Color
RYB	111, 173, 216
Decimal	7329976
CIELab	79.59, -38.06, 6.45
CIElCh	80, 38.601, 170.388
Yxy	55.9519, 0.2655, 0.3736
Android (android.graphics.Color)	4285520056 (0xFF6FD8B8)
YUV	180.9570, 1.5002, -61.3523
Hunter-Lab	74.8010, -36.0155, 9.5188

Details

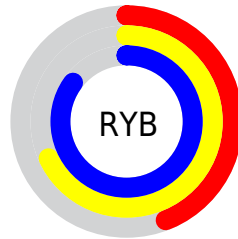
The Yxy color **55.9519, 0.2655, 0.3736** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **27.9514, 0.4048, 0.2904**, and the grayscale version is **46.1975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1361, 0.2713, 0.3456**, and **27.8322, 0.2531, 0.3870** is the 20% darker color. If you saturate the color by 10%, you get **54.4486, 0.2593, 0.3847**, and if you desaturate by 10%, it is **57.8113, 0.2733, 0.3630**.

Distribution



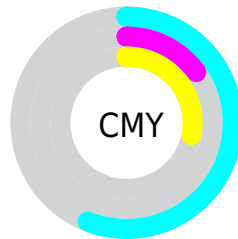
- Red (44%)
- Green (85%)
- Blue (72%)



- Red (44%)
- Yellow (68%)
- Blue (85%)



- Cyan (49%)
- Magenta (0%)
- Yellow (15%)
- Black (15%)





- Cyan (56%)
- Magenta (15%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.9519, 0.2655, 0.3736 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 55.9519, 0.2655, 0.3736 by changing the saturation by 10% instead.

 55.9519, 0.2655,
0.3736

 55.9519, 0.2655,
0.3736


409.5102, 0.2886,
0.3514


 40.1644, 0.2599,
0.3791


 98.9342, 0.2738,
0.3656

 27.6667, 0.2528,
0.3861


 126.8978, 0.2769,
0.3626

 18.0746, 0.2436,
0.3954

 159.6889, 0.2796,
0.3600

 11.0035, 0.2310,
0.4083

197.6919, 0.2819,
0.3578

 6.0692, 0.2129,
0.4272

241.2911, 0.2839,
0.3559

 2.8872, 0.1849,
0.4578

290.8709, 0.2856,

 1.0731, 0.0429,

0.3542

0.5777

346.8158, 0.2872,
0.3527

0.0000, 0.0000,
0.0000

55.9519, 0.2655,
0.3736

55.9519, 0.2655,
0.3736

54.4486, 0.2593,
0.3847

57.8113, 0.2733,
0.3630

53.2696, 0.2548,
0.3962

60.0425, 0.2824,
0.3531

52.3888, 0.2524,
0.4079


62.6685, 0.2924,
0.3439

51.7727, 0.2519,
0.4195

65.7083, 0.3032,
0.3356


51.3704, 0.2533,
0.4310

69.1797, 0.3143,
0.3280

 51.3215, 0.2535,
0.4326

 73.0995, 0.3256,
0.3212

 76.0921, 0.3315,
0.3150

 76.4692, 0.3269,
0.3085

 76.8605, 0.3224,
0.3021

Harmonies

Analogous

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



55.9519, 0.3125, 0.4116



55.9519, 0.2655, 0.3736



55.9519, 0.2328, 0.3227

Triad

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



55.9519, 0.2655, 0.3736



55.9519, 0.2602, 0.2487



55.9519, 0.4143, 0.3662

Complementary

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



55.9519, 0.2655, 0.3736



27.9514, 0.4048, 0.2904

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.



55.9519, 0.3989, 0.3261



55.9519, 0.2655, 0.3736



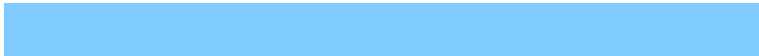
55.9519, 0.3063, 0.2615

Square

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



55.9519, 0.2655, 0.3736



55.9519, 0.2302, 0.2540



55.9519, 0.3580, 0.2890



55.9519, 0.3997, 0.4014

Rectangle

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



55.9519, 0.2655, 0.3736



55.9519, 0.2223, 0.2920



55.9519, 0.3580, 0.2890



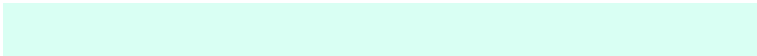
55.9519, 0.4125, 0.3529

Sweetspot

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



55.9541, 0.2655, 0.3736



92.7251, 0.2961, 0.3409



56.2136, 0.3274, 0.4723



19.6527, 0.2938, 0.3428



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.



55.9541, 0.2655, 0.3736



79.3012, 0.2593, 0.3846



48.1581, 0.2440, 0.3024



14.0404, 0.3023, 0.3362



30.3957, 0.2530, 0.4308



1.8478, 0.2475, 0.4110

Inverse Universe

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



27.9514, 0.4048, 0.2904



34.0691, 0.4354, 0.2842



31.7789, 0.4352, 0.3527



12.4825, 0.3244, 0.3219



8.8897, 0.5731, 0.2931



0.5508, 0.5234, 0.2657

Previews

White Background



This preview shows how the Yxy color 55.9519, 0.2655, 0.3736 looks on a white background.

Color Contrast Check

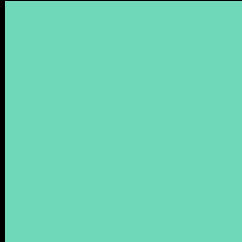
Large Text (above 18pt) WCAG AA × Fail

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 55.9519, 0.2655, 0.3736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

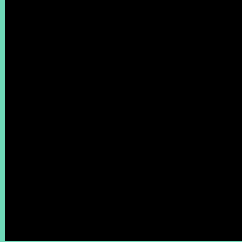
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

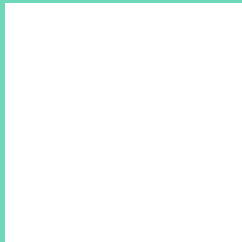
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.9519, 0.2655, 0.3736

Background



This preview shows how black text looks on a background with the Yxy color 55.9519, 0.2655, 0.3736.

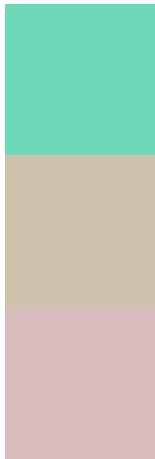


This preview shows how white text looks on a background with the Yxy color 55.9519, 0.2655, 0.3736.

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

55.9519, 0.2655, 0.3736

Protanopia

55.0265, 0.3377, 0.3558

Deuteranopia

54.8646, 0.3353, 0.3279



Tritanopia

55.8502, 0.2477, 0.3069

Trichromacy



Original Color

55.9519, 0.2655, 0.3736



Protanomaly

54.5441, 0.3066, 0.3628



Deuteranomaly

53.9427, 0.3043, 0.3430



Tritanomaly

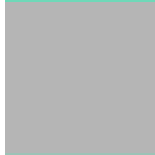
55.7121, 0.2543, 0.3302

Monochromacy



Original Color

55.9519, 0.2655, 0.3736



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

49.0289, 0.2919, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.9519, 0.2655, 0.3736 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(111, 216, 184)` looks like.

```
.text, #text, p{  
    color:rgb(111, 216, 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(111, 216, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 216, 184) }
```

Border

The CSS property to change the border of an element to Yxy 55.9519, 0.2655, 0.3736 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(111, 216, 184) }
```

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

```
.border{ border-color:rgb(111, 216, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 216, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(111, 216, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(111, 216, 184); box-shadow:4px 4px 4px 4px rgb(111, 216, 184) }
```


Background

The CSS property to change the background color of an element to Yxy 55.9519, 0.2655, 0.3736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 216, 184) }
```

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

```
.background{ background-color: rgb(111,  
216, 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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