

Converting Colors

$Y_{xy}(59.9076, 0.2782, 0.3771)$

Have a look what the booklet for
Yxy(59.9076, 0.2782, 0.3771)
contains.

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Color

Yxy(59.7154, 0.2784, 0.3771)

Conversions

Conversions Part 1

Format	Color
Hex	86DCB8
RGB	134, 220, 184
RGB Percent	53%, 86%, 72%
CMY	0.4742, 0.1373, 0.2784
CMYK	0.39, 0.00, 0.16, 0.14
HSL	155°, 55%, 69%
HSV	155°, 39%, 86%
XYZ	44.0858, 59.7154, 54.5531
YIQ	190.1820, -39.7000, -29.4280

Conversions

Conversions Part 2

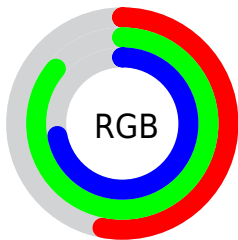
Format	Color
RYB	134, 188, 220
Decimal	8838328
CIELab	81.68, -34.01, 9.57
CIELCh	82, 35.329, 164.282
Yxy	59.7154, 0.2784, 0.3771
Android (android.graphics.Color)	4287028408 (0xFF86DCB8)
YUV	190.1820, -3.0477, -49.2716
Hunter-Lab	77.2757, -33.3982, 12.2371

Details

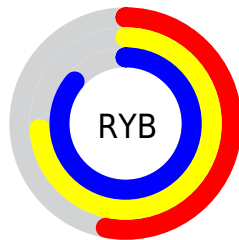
The Yxy color **59.7154, 0.2784, 0.3771** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **35.1908, 0.3685, 0.2862**, and the grayscale version is **51.6490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.7584, 0.2827, 0.3451**, and **29.8519, 0.2689, 0.3897** is the 20% darker color. If you saturate the color by 10%, you get **57.7190, 0.2717, 0.3921**, and if you desaturate by 10%, it is **62.1179, 0.2862, 0.3631**.

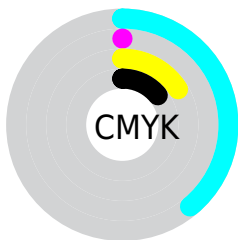
Distribution



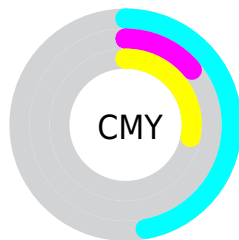
- Red (53%)
- Green (86%)
- Blue (72%)



- Red (53%)
- Yellow (74%)
- Blue (86%)



- Cyan (39%)
- Magenta (0%)
- Yellow (16%)
- Black (14%)





- Cyan (47%)
- Magenta (14%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.7154, 0.2784, 0.3771 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 59.7154, 0.2784, 0.3771 by changing the saturation by 10% instead.


 59.7154, 0.2784,
0.3771


 59.7154, 0.2784,
0.3771


423.5480, 0.2952,
0.3533

 43.1893, 0.2743,
0.3830


 104.4167, 0.2844,
0.3685

 30.0337, 0.2692,
0.3905


 133.3607, 0.2867,
0.3653

 19.8641, 0.2624,
0.4004


 167.2127, 0.2886,
0.3625

 12.2963, 0.2531,
0.4141

206.3573, 0.2903,
0.3601

 6.9458, 0.2398,
0.4341

251.1787, 0.2918,
0.3581

 3.4282, 0.2190,
0.4662

302.0613, 0.2931,

 1.3592, 0.1598,

0.3563

0.5442

359.3896, 0.2942,
0.3547

■ 0.1863, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.7154, 0.2784,
0.3771

■ 59.7154, 0.2784,
0.3771

■ 57.7190, 0.2717,
0.3921

■ 62.1179, 0.2862,
0.3631

■ 56.0975, 0.2666,
0.4079


■ 64.9410, 0.2949,
0.3502


■ 54.8266, 0.2632,
0.4242


■ 68.2077, 0.3041,
0.3385

■ 53.8761, 0.2617,
0.4407

■ 71.9367, 0.3136,
0.3281

 53.2104, 0.2624,
0.4570

 76.1460, 0.3232,
0.3187

 52.7731, 0.2648,
0.4727

 78.6914, 0.3248,
0.3100

 52.7366, 0.2651,
0.4742

 79.2509, 0.3186,
0.3011

 79.6621, 0.3143,
0.2950

Harmonies

Analogous

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



59.7154, 0.3222, 0.4063



59.7154, 0.2784, 0.3771



59.7154, 0.2453, 0.3329

Triad

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



59.7154, 0.2784, 0.3771



59.7154, 0.2586, 0.2559



59.7154, 0.4030, 0.3560

Complementary

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



59.7154, 0.2784, 0.3771



35.1908, 0.3685, 0.2862

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.



59.7154, 0.3839, 0.3195



59.7154, 0.2784, 0.3771



59.7154, 0.2979, 0.2643

Square

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



59.7154, 0.2784, 0.3771



59.7154, 0.2348, 0.2647



59.7154, 0.3443, 0.2869



59.7154, 0.3956, 0.3891

Rectangle

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



59.7154, 0.2784, 0.3771



59.7154, 0.2330, 0.3041



59.7154, 0.3443, 0.2869



59.7154, 0.3995, 0.3438

Sweetspot

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



59.7178, 0.2784, 0.3771



93.8531, 0.3013, 0.3420



61.5980, 0.3331, 0.4388



19.9575, 0.3000, 0.3435



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.



59.7178, 0.2784, 0.3771



81.0815, 0.2728, 0.3895



58.4686, 0.2577, 0.3215



14.7325, 0.3038, 0.3390



30.9759, 0.2644, 0.4718



2.0238, 0.2572, 0.4460

Inverse Universe

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



35.1908, 0.3685, 0.2862



42.1474, 0.3863, 0.2773



35.6371, 0.4073, 0.3362



13.1416, 0.3226, 0.3192



9.4060, 0.5290, 0.2688



0.6263, 0.4870, 0.2456

Previews

White Background



This preview shows how the Yxy color 59.7154, 0.2784, 0.3771 looks on a white background.

Color Contrast Check

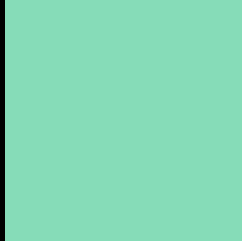
Large Text (above 18pt) WCAG AA × Fail

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 59.7154, 0.2784, 0.3771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

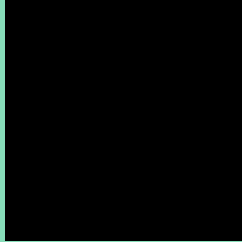
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

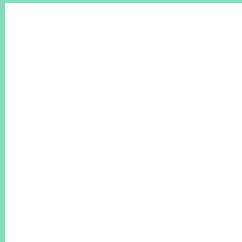
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.7154, 0.2784, 0.3771

Background



This preview shows how black text looks on a background with the Yxy color 59.7154, 0.2784, 0.3771.

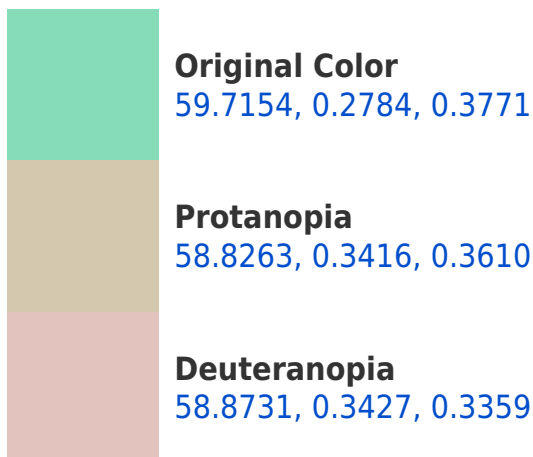


This preview shows how white text looks on a background with the Yxy color 59.7154, 0.2784, 0.3771.

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





Tritanopia

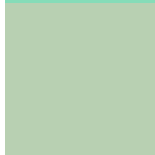
59.3778, 0.2576, 0.3065

Trichromacy



Original Color

59.7154, 0.2784, 0.3771



Protanomaly

58.5165, 0.3155, 0.3666



Deuteranomaly

58.1110, 0.3164, 0.3498



Tritanomaly

59.6295, 0.2650, 0.3314

Monochromacy



Original Color

59.7154, 0.2784, 0.3771



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

53.9502, 0.2983, 0.3458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.7154, 0.2784, 0.3771 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(134, 220, 184)` looks like.

```
.text, #text, p{  
    color:rgb(134, 220, 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(134, 220, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 220, 184) }
```

Border

The CSS property to change the border of an element to Yxy 59.7154, 0.2784, 0.3771 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(134, 220, 184) }
```

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

```
.border{ border-color:rgb(134, 220, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 220, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(134, 220, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(134, 220, 184); box-shadow:4px 4px 4px 4px rgb(134, 220, 184) }
```


Background

The CSS property to change the background color of an element to Yxy 59.7154, 0.2784, 0.3771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 220, 184) }
```

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

```
.background{ background-color: rgb(134,  
220, 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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