

Converting Colors

$Yxy(66.5970, 0.2825, 0.3584)$

Have a look what the booklet for
Yxy(66.5970, 0.2825, 0.3584)
contains.

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Color

Yxy(66.6209, 0.2829, 0.3586)

Conversions

Conversions Part 1

Format	Color
Hex	9FE3CB
RGB	159, 227, 203
RGB Percent	62%, 89%, 80%
CMY	0.3762, 0.1098, 0.2038
CMYK	0.30, 0.00, 0.11, 0.11
HSL	159°, 55%, 76%
HSV	159°, 30%, 89%
XYZ	52.5573, 66.6209, 66.6023
YIQ	203.9320, -32.8240, -21.8800

Conversions

Conversions Part 2

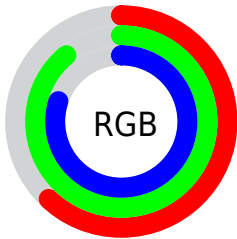
Format	Color
RYB	159, 200, 227
Decimal	10478539
CIELab	85.31, -26.30, 4.90
CIELCh	85, 26.749, 169.442
Yxy	66.6209, 0.2829, 0.3586
Android (android.graphics.Color)	4288668619 (0xFF9FE3CB)
YUV	203.9320, -0.4595, -39.4054
Hunter-Lab	81.6216, -27.8992, 8.7552

Details

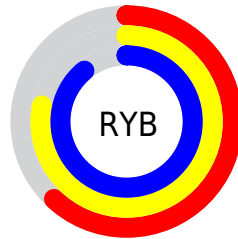
The Yxy color **66.6209, 0.2829, 0.3586** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.5668, 0.3560, 0.3014**, and the grayscale version is **60.3667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **34.2990, 0.2752, 0.3656** is the 20% darker color. If you saturate the color by 10%, you get **64.1389, 0.2745, 0.3704**, and if you desaturate by 10%, it is **69.5542, 0.2923, 0.3478**.

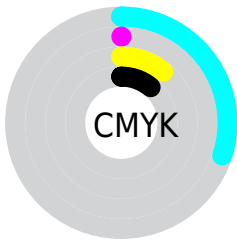
Distribution



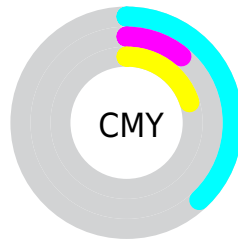
- Red (62%)
- Green (89%)
- Blue (80%)



- Red (62%)
- Yellow (78%)
- Blue (89%)



- Cyan (30%)
- Magenta (0%)
- Yellow (11%)
- Black (11%)





- Cyan (38%)
- Magenta (11%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.6209, 0.2829, 0.3586 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 66.6209, 0.2829, 0.3586 by changing the saturation by 10% instead.


 66.6209, 0.2829,
0.3586

 66.6209, 0.2829,
0.3586


448.5942, 0.2970,
0.3444

 48.7766, 0.2796,
0.3620


 114.3770, 0.2879,
0.3536

 34.4423, 0.2754,
0.3662


 145.0577, 0.2898,
0.3517

 23.2336, 0.2701,
0.3717


180.7859, 0.2914,
0.3500

 14.7661, 0.2631,
0.3790

221.9460, 0.2928,
0.3486

 8.6554, 0.2532,
0.3894

268.9225, 0.2941,
0.3474

 4.5171, 0.2385,
0.4052

322.0998, 0.2952,

 1.9668, 0.2144,

0.3463

0.4321

381.8622, 0.2962,
0.3453

■ 0.5881, 0.0000,
0.6639

■ 0.0000, 0.0000,
0.0000

■ 66.6209, 0.2829,
0.3586

■ 66.6209, 0.2829,
0.3586

■ 64.1389, 0.2745,
0.3704

■ 69.5542, 0.2923,
0.3478

■ 62.0765, 0.2673,
0.3829


■ 72.9526, 0.3024,
0.3379


■ 60.4104, 0.2617,
0.3961


■ 76.8391, 0.3128,
0.3289


■ 59.1118, 0.2579,
0.4096


■ 81.2329, 0.3234,
0.3210


 58.1479, 0.2562,
0.4234


 82.6688, 0.3217,
0.3133

 57.4797, 0.2565,
0.4370

 83.1635, 0.3165,
0.3056

 57.0400, 0.2585,
0.4504

 83.4136, 0.3140,
0.3019

 57.0370, 0.2585,
0.4505

Harmonies

Analogous

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



66.6209, 0.3146, 0.3819



66.6209, 0.2829, 0.3586



66.6209, 0.2599, 0.3269

Triad

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



66.6209, 0.2829, 0.3586



66.6209, 0.2773, 0.2746



66.6209, 0.3790, 0.3546

Complementary

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



66.6209, 0.2829, 0.3586



44.5668, 0.3560, 0.3014

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.



66.6209, 0.3681, 0.3273



66.6209, 0.2829, 0.3586



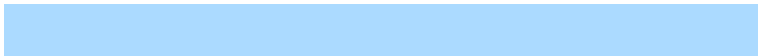
66.6209, 0.3080, 0.2827

Square

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



66.6209, 0.2829, 0.3586



66.6209, 0.2569, 0.2796



66.6209, 0.3416, 0.3016



66.6209, 0.3708, 0.3773

Rectangle

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



66.6209, 0.2829, 0.3586



66.6209, 0.2521, 0.3067



66.6209, 0.3416, 0.3016



66.6209, 0.3774, 0.3457

Sweetspot

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



66.6236, 0.2829, 0.3586



95.3935, 0.3033, 0.3370



67.6254, 0.3258, 0.4119



20.2694, 0.3017, 0.3384



0.0000, 0.0000, 0.0000



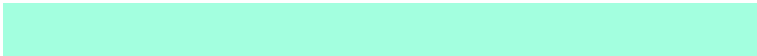
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.6236, 0.2829, 0.3586



84.6343, 0.2774, 0.3659



63.0314, 0.2684, 0.3179



16.2455, 0.3028, 0.3374



33.2899, 0.2579, 0.4485



2.4775, 0.2525, 0.4289

Inverse Universe

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



44.5668, 0.3560, 0.3014



51.4924, 0.3688, 0.2954



46.8838, 0.3766, 0.3398



14.4516, 0.3237, 0.3207



9.8829, 0.5560, 0.2837



0.7475, 0.5154, 0.2613

Previews

White Background



This preview shows how the Yxy color 66.6209, 0.2829, 0.3586 looks on a white background.

Color Contrast Check

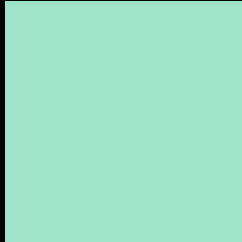
Large Text (above 18pt) WCAG AA × Fail

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 66.6209, 0.2829, 0.3586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

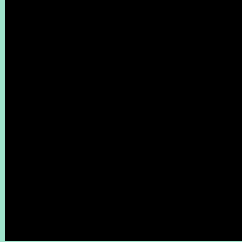
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

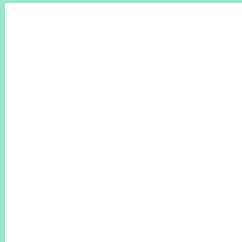
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.6209, 0.2829, 0.3586

Background



This preview shows how black text looks on a background with the Yxy color 66.6209, 0.2829, 0.3586.

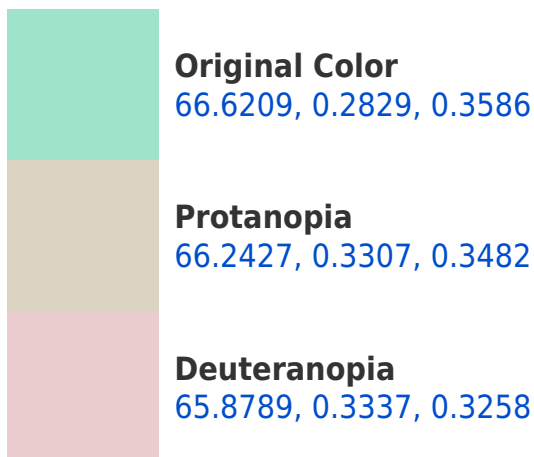


This preview shows how white text looks on a background with the Yxy color 66.6209, 0.2829, 0.3586.

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

66.6900, 0.2671, 0.3090

Trichromacy



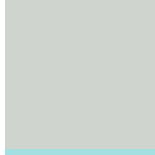
Original Color

66.6209, 0.2829, 0.3586



Protanomaly

65.7087, 0.3117, 0.3513



Deuteranomaly

65.3101, 0.3131, 0.3370



Tritanomaly

66.6948, 0.2726, 0.3265

Monochromacy



Original Color

66.6209, 0.2829, 0.3586



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

62.1380, 0.3007, 0.3386

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6209, 0.2829, 0.3586 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(159, 227, 203)` looks like.

```
.text, #text, p{  
    color:rgb(159, 227, 203)  
}
```

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(159, 227, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 227, 203) }
```

Border

The CSS property to change the border of an element to Yxy 66.6209, 0.2829, 0.3586 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(159, 227, 203) }
```

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

```
.border{ border-color:rgb(159, 227, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 227, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 227, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 227, 203);  
box-shadow:4px 4px 4px 4px rgb(159, 227,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6209, 0.2829, 0.3586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 227, 203) }
```

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

```
.background{ background-color: rgb(159,  
227, 203) }
```

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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