

Converting Colors

$Yxy(65.3781, 0.2827, 0.3461)$

Have a look what the booklet for
Yxy(65.3781, 0.2827, 0.3461)
contains.

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Color

Yxy(65.3781, 0.2827, 0.3461)

Conversions

Conversions Part 1

Format	Color
Hex	A5DFD1
RGB	165, 223, 209
RGB Percent	65%, 87%, 82%
CMY	0.3532, 0.1254, 0.1804
CMYK	0.26, 0.00, 0.06, 0.13
HSL	166°, 48%, 76%
HSV	166°, 26%, 87%
XYZ	53.4019, 65.3781, 70.1195
YIQ	204.0620, -30.0740, -16.6500

Conversions

Conversions Part 2

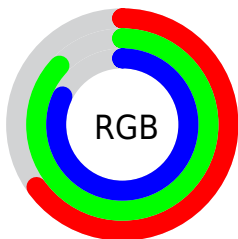
Format	Color
RYB	165, 198, 223
Decimal	10870737
CIELab	84.68, -21.38, 0.87
CIELCh	85, 21.394, 177.667
Yxy	65.3781, 0.2827, 0.3461
Android (android.graphics.Color)	4289060817 (0xFFA5DFD1)
YUV	204.0620, 2.4344, -34.2574
Hunter-Lab	80.8567, -23.6088, 5.1830

Details

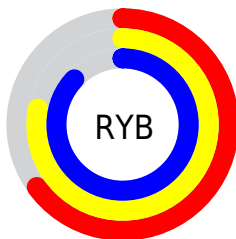
The Yxy color **65.3781, 0.2827, 0.3461** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.8309, 0.3549, 0.3127**, and the grayscale version is **60.4164, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **33.7513, 0.2748, 0.3503** is the 20% darker color. If you saturate the color by 10%, you get **62.9331, 0.2727, 0.3537**, and if you desaturate by 10%, it is **68.2544, 0.2937, 0.3390**.

Distribution



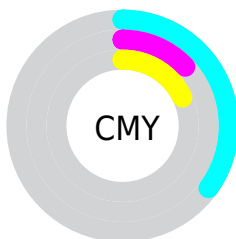
- Red (65%)
- Green (87%)
- Blue (82%)



- Red (65%)
- Yellow (78%)
- Blue (87%)



- Cyan (26%)
- Magenta (0%)
- Yellow (6%)
- Black (13%)





- Cyan (35%)
- Magenta (13%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.3781, 0.2827, 0.3461 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 65.3781, 0.2827, 0.3461 by changing the saturation by 10% instead.


 65.3781, 0.2827,
0.3461


 65.3781, 0.2827,
0.3461


444.1495, 0.2969,
0.3380

 47.7677, 0.2794,
0.3480


 112.5933, 0.2877,
0.3433

 33.6430, 0.2753,
0.3504


 142.9669, 0.2896,
0.3422

 22.6195, 0.2700,
0.3534


178.3637, 0.2912,
0.3412

 14.3128, 0.2630,
0.3574

219.1681, 0.2926,
0.3404

 8.3385, 0.2534,
0.3631

265.7644, 0.2939,
0.3397

 4.3123, 0.2390,
0.3714

318.5372, 0.2950,

 1.8498, 0.2157,

0.3391

377.8707, 0.2960,
0.3385

0.3852

0.5179, 0.0000,
0.5073

0.0000, 0.0000,
0.0000

65.3781, 0.2827,
0.3461

65.3781, 0.2827,
0.3461

62.9331, 0.2727,
0.3537

68.2544, 0.2937,
0.3390

60.8895, 0.2639,
0.3619


71.5742, 0.3054,
0.3326

59.2265, 0.2567,
0.3704


75.3589, 0.3175,
0.3268

57.9178, 0.2513,
0.3793

79.6264, 0.3298,
0.3216

 56.9338, 0.2478,
0.3883


 80.0970, 0.3268,
0.3163

 56.2400, 0.2463,
0.3973

 80.4147, 0.3232,
0.3110

 55.7937, 0.2467,
0.4063

 80.7419, 0.3196,
0.3058

 55.6559, 0.2472,
0.4098

 81.0787, 0.3161,
0.3007

 81.2654, 0.3142,
0.2980

Harmonies

Analogous

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



65.3781, 0.3071, 0.3671



65.3781, 0.2827, 0.3461



65.3781, 0.2666, 0.3207

Triad

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



65.3781, 0.2827, 0.3461



65.3781, 0.2904, 0.2855



65.3781, 0.3656, 0.3558

Complementary

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



65.3781, 0.2827, 0.3461



45.8309, 0.3549, 0.3127

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.



65.3781, 0.3610, 0.3341



65.3781, 0.2827, 0.3461



65.3781, 0.3166, 0.2947

Square

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



65.3781, 0.2827, 0.3461



65.3781, 0.2709, 0.2867



65.3781, 0.3428, 0.3122



65.3781, 0.3554, 0.3717

Rectangle

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



65.3781, 0.2827, 0.3461



65.3781, 0.2624, 0.3055



65.3781, 0.3428, 0.3122



65.3781, 0.3658, 0.3489

Sweetspot

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



65.3808, 0.2827, 0.3461



96.0209, 0.3030, 0.3338



65.1378, 0.3194, 0.4011



20.4020, 0.3012, 0.3348



0.0000, 0.0000, 0.0000



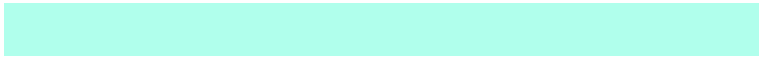
21.4041, 0.3127, 0.3290

Same Dimension

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



65.3808, 0.2827, 0.3461



86.7951, 0.2773, 0.3500



58.6760, 0.2731, 0.3111



15.5128, 0.3014, 0.3347



32.7372, 0.2468, 0.4084



2.2829, 0.2430, 0.3947

Inverse Universe

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



45.8309, 0.3549, 0.3127



56.2331, 0.3663, 0.3092



50.8284, 0.3639, 0.3462



13.7545, 0.3254, 0.3234



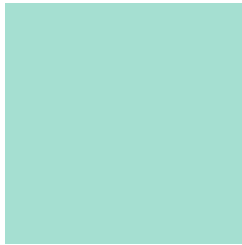
9.3950, 0.5948, 0.3050



0.6652, 0.5510, 0.2809

Previews

White Background



This preview shows how the Yxy color 65.3781, 0.2827, 0.3461 looks on a white background.

Color Contrast Check

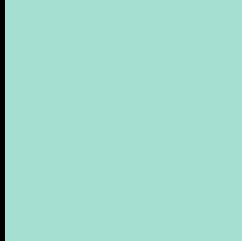
Large Text (above 18pt) WCAG AA × Fail

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 65.3781, 0.2827, 0.3461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

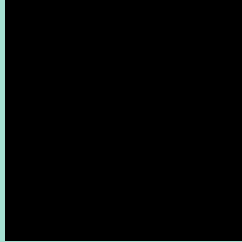
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

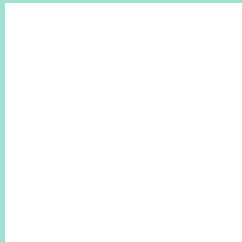
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.3781, 0.2827, 0.3461

Background



This preview shows how black text looks on a background with the Yxy color 65.3781, 0.2827, 0.3461.

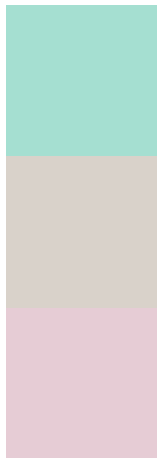


This preview shows how white text looks on a background with the Yxy color 65.3781, 0.2827, 0.3461.

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

65.3781, 0.2827, 0.3461

Protanopia

65.1092, 0.3236, 0.3381

Deuteranopia

64.8128, 0.3263, 0.3192



Tritanopia

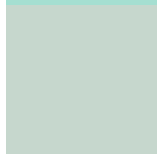
65.3771, 0.2706, 0.3090

Trichromacy



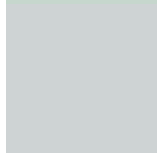
Original Color

65.3781, 0.2827, 0.3461



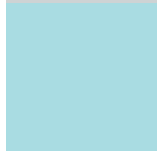
Protanomaly

65.0144, 0.3071, 0.3407



Deuteranomaly

64.4638, 0.3084, 0.3278



Tritanomaly

65.1124, 0.2751, 0.3217

Monochromacy



Original Color

65.3781, 0.2827, 0.3461



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

61.9919, 0.3008, 0.3349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.3781, 0.2827, 0.3461 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(165, 223, 209)` looks like.

```
.text, #text, p{  
    color:rgb(165, 223, 209)  
}
```

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(165, 223, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 223, 209) }
```

Border

The CSS property to change the border of an element to Yxy 65.3781, 0.2827, 0.3461 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(165, 223, 209) }
```

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

```
.border{ border-color:rgb(165, 223, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 223, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 223, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 223, 209); box-shadow:4px 4px 4px 4px rgb(165, 223, 209) }
```


Background

The CSS property to change the background color of an element to Yxy 65.3781, 0.2827, 0.3461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 223, 209) }
```

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

```
.background{ background-color: rgb(165,  
223, 209) }
```

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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