

Converting Colors

$Yxy(66.0070, 0.2747, 0.3605)$

Have a look what the booklet for
Yxy(66.0070, 0.2747, 0.3605)
contains.

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Color

Yxy(65.8183, 0.2750, 0.3605)

Conversions

Conversions Part 1

Format	Color
Hex	91E4CB
RGB	145, 228, 203
RGB Percent	57%, 89%, 80%
CMY	0.4311, 0.1059, 0.2040
CMYK	0.36, 0.00, 0.11, 0.11
HSL	162°, 61%, 73%
HSV	162°, 36%, 89%
XYZ	50.2081, 65.8183, 66.5486
YIQ	200.3330, -41.4430, -25.3710

Conversions

Conversions Part 2

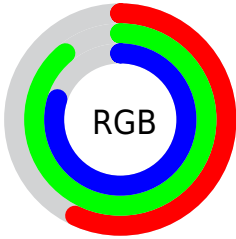
Format	Color
RYB	145, 194, 228
Decimal	9561291
CIELab	84.90, -30.74, 4.24
CIELCh	85, 31.034, 172.142
Yxy	65.8183, 0.2750, 0.3605
Android (android.graphics.Color)	4287751371 (0xFF91E4CB)
YUV	200.3330, 1.3148, -48.5270
Hunter-Lab	81.1285, -31.5062, 8.1551

Details

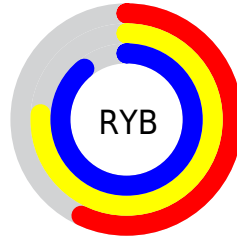
The Yxy color **65.8183, 0.2750, 0.3605** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **39.6724, 0.3737, 0.3001**, and the grayscale version is **57.9963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1575, 0.2811, 0.3289**, and **33.8486, 0.2654, 0.3682** is the 20% darker color. If you saturate the color by 10%, you get **63.6315, 0.2668, 0.3709**, and if you desaturate by 10%, it is **68.4406, 0.2844, 0.3508**.

Distribution



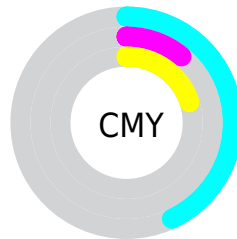
- Red (57%)
- Green (89%)
- Blue (80%)



- Red (57%)
- Yellow (76%)
- Blue (89%)



- Cyan (36%)
- Magenta (0%)
- Yellow (11%)
- Black (11%)





- Cyan (43%)
- Magenta (11%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.8183, 0.2750, 0.3605 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 65.8183, 0.2750, 0.3605 by changing the saturation by 10% instead.

 65.8183, 0.2750,
0.3605


 65.8183, 0.2750,
0.3605


445.7268, 0.2929,
0.3454

 48.1249, 0.2708,
0.3641


 113.2255, 0.2813,
0.3552

 33.9258, 0.2656,
0.3686


 143.7081, 0.2837,
0.3531

 22.8366, 0.2589,
0.3744


179.2226, 0.2858,
0.3514

 14.4729, 0.2500,
0.3822

220.1533, 0.2876,
0.3498

 8.4503, 0.2377,
0.3933

266.8847, 0.2891,
0.3485

 4.3844, 0.2193,
0.4100

319.8012, 0.2905,

 1.8908, 0.1896,

0.3474

0.4383

379.2871, 0.2918,
0.3463

0.5429, 0.0000,
0.6483

0.0000, 0.0000,
0.0000

65.8183, 0.2750,
0.3605

65.8183, 0.2750,
0.3605

63.6315, 0.2668,
0.3709

68.4406, 0.2844,
0.3508

61.8471, 0.2602,
0.3818

71.5135, 0.2947,
0.3419


60.4398, 0.2553,
0.3931


75.0612, 0.3056,
0.3338

59.3782, 0.2524,
0.4047

79.1036, 0.3168,
0.3264


 58.6255, 0.2516,
0.4162

 82.8790, 0.3254,
0.3198

 58.1357, 0.2526,
0.4276

 83.2895, 0.3209,
0.3131

 57.9945, 0.2533,
0.4318

 83.7156, 0.3164,
0.3065

 83.9631, 0.3139,
0.3029

Harmonies

Analogous

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



65.8183, 0.3111, 0.3895



65.8183, 0.2750, 0.3605



65.8183, 0.2499, 0.3228

Triad

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



65.8183, 0.2750, 0.3605



65.8183, 0.2743, 0.2665



65.8183, 0.3900, 0.3608

Complementary

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



65.8183, 0.2750, 0.3605



39.6724, 0.3737, 0.3001

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.



65.8183, 0.3794, 0.3295



65.8183, 0.2750, 0.3605



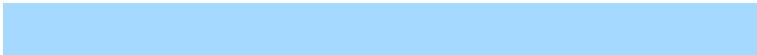
65.8183, 0.3106, 0.2772

Square

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



65.8183, 0.2750, 0.3605



65.8183, 0.2496, 0.2705



65.8183, 0.3496, 0.2997



65.8183, 0.3784, 0.3867

Rectangle

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



65.8183, 0.2750, 0.3605



65.8183, 0.2420, 0.2998



65.8183, 0.3496, 0.2997



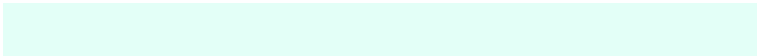
65.8183, 0.3890, 0.3506

Sweetspot

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



65.8210, 0.2750, 0.3605



94.5298, 0.3004, 0.3375



66.2252, 0.3251, 0.4330



20.1005, 0.2989, 0.3386



0.0000, 0.0000, 0.0000



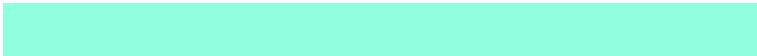
21.4041, 0.3127, 0.3290

Same Dimension

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



65.8210, 0.2750, 0.3605



82.5709, 0.2684, 0.3686



59.1116, 0.2592, 0.3099



16.2585, 0.3022, 0.3362



33.5123, 0.2528, 0.4300



2.4927, 0.2482, 0.4134

Inverse Universe

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



39.6724, 0.3737, 0.3001



44.0048, 0.3936, 0.2939



43.7776, 0.3942, 0.3470



14.4392, 0.3245, 0.3219



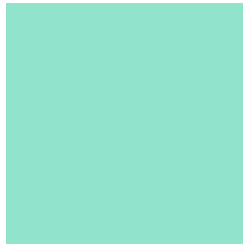
9.7890, 0.5751, 0.2942



0.7394, 0.5335, 0.2712

Previews

White Background



This preview shows how the Yxy color 65.8183, 0.2750, 0.3605 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 65.8183, 0.2750, 0.3605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

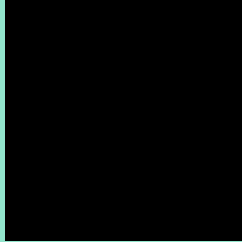
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

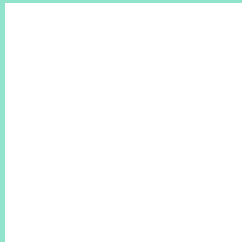
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.8183, 0.2750, 0.3605

Background



This preview shows how black text looks on a background with the Yxy color 65.8183, 0.2750, 0.3605.

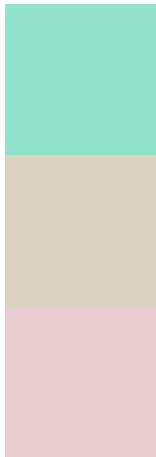


This preview shows how white text looks on a background with the Yxy color 65.8183, 0.2750, 0.3605.

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

65.8183, 0.2750, 0.3605

Protanopia

65.0035, 0.3316, 0.3483

Deuteranopia

64.8956, 0.3315, 0.3247



Tritanopia

65.9366, 0.2595, 0.3087

Trichromacy



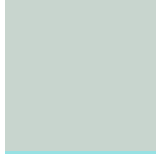
Original Color

65.8183, 0.2750, 0.3605



Protanomaly

64.8634, 0.3080, 0.3528



Deuteranomaly

64.3241, 0.3080, 0.3371



Tritanomaly

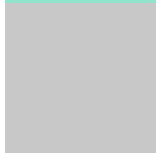
65.9758, 0.2650, 0.3264

Monochromacy



Original Color

65.8183, 0.2750, 0.3605



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

60.0135, 0.2969, 0.3400

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.8183, 0.2750, 0.3605 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(145, 228, 203)` looks like.

```
.text, #text, p{  
    color:rgb(145, 228, 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(145, 228, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 228, 203) }
```

Border

The CSS property to change the border of an element to Yxy 65.8183, 0.2750, 0.3605 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(145, 228, 203) }
```

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

```
.border{ border-color:rgb(145, 228, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 228, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(145, 228, 203); -webkit-box-shadow:4px 4px 4px 4px rgb(145, 228, 203); box-shadow:4px 4px 4px 4px rgb(145, 228, 203) }
```


Background

The CSS property to change the background color of an element to Yxy 65.8183, 0.2750, 0.3605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 228, 203) }
```

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

```
.background{ background-color: rgb(145,  
228, 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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