

Converting Colors

$Y_{xy}(65.6346, 0.2577, 0.3712)$

Have a look what the booklet for
Yxy(65.6346, 0.2577, 0.3712)
contains.

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Color

Yxy(65.4981, 0.2578, 0.3711)

Conversions

Conversions Part 1

Format	Color
Hex	69E9C9
RGB	105, 233, 201
RGB Percent	41%, 91%, 79%
CMY	0.5885, 0.0862, 0.2118
CMYK	0.55, 0.00, 0.14, 0.09
HSL	165°, 74%, 66%
HSV	165°, 55%, 91%
XYZ	45.5010, 65.4981, 65.4981
YIQ	191.0800, -66.0160, -37.0880

Conversions

Conversions Part 2

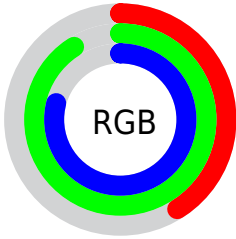
Format	Color
RYB	105, 178, 233
Decimal	6941129
CIELab	84.74, -43.08, 4.86
CIELCh	85, 43.357, 173.567
Yxy	65.4981, 0.2578, 0.3711
Android (android.graphics.Color)	4285131209 (0xFF69E9C9)
YUV	191.0800, 4.8906, -75.4922
Hunter-Lab	80.9309, -41.2728, 8.6677

Details

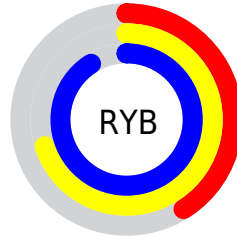
The Yxy color **65.4981, 0.2578, 0.3711** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **29.2215, 0.4342, 0.2940**, and the grayscale version is **52.1412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **33.8909, 0.2445, 0.3828** is the 20% darker color. If you saturate the color by 10%, you get **64.0098, 0.2523, 0.3803**, and if you desaturate by 10%, it is **67.3884, 0.2651, 0.3622**.

Distribution



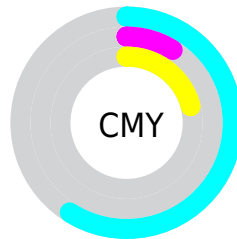
- Red (41%)
- Green (91%)
- Blue (79%)



- Red (41%)
- Yellow (70%)
- Blue (91%)



- Cyan (55%)
- Magenta (0%)
- Yellow (14%)
- Black (9%)





- Cyan (59%)
- Magenta (9%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.4981, 0.2578, 0.3711 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 65.4981, 0.2578, 0.3711 by changing the saturation by 10% instead.


 65.4981, 0.2578,
0.3711


 65.4981, 0.2578,
0.3711


444.5798, 0.2838,
0.3509


 47.8651, 0.2517,
0.3759

 112.7657, 0.2669,
0.3639

 33.7201, 0.2442,
0.3820


 143.1690, 0.2704,
0.3612

 22.6786, 0.2346,
0.3898


 178.5979, 0.2734,
0.3588

 14.3564, 0.2218,
0.4003

219.4368, 0.2761,
0.3568

 8.3690, 0.2043,
0.4150

266.0700, 0.2783,
0.3550

 4.3319, 0.1786,
0.4373

318.8820, 0.2804,

 1.8609, 0.1287,

0.3535

0.4798

378.2571, 0.2822,
0.3521

■ 0.5247, 0.0000,
0.6937

■ 0.0000, 0.0000,
0.0000

■ 65.4981, 0.2578,
0.3711

■ 65.4981, 0.2578,
0.3711

■ 64.0098, 0.2523,
0.3803

■ 67.3884, 0.2651,
0.3622

■ 62.8830, 0.2487,
0.3897


■ 69.7017, 0.2740,
0.3538


■ 62.0828, 0.2471,
0.3991

■ 72.4667, 0.2841,
0.3459

■ 61.5626, 0.2474,
0.4084

■ 75.7076, 0.2951,
0.3387

 61.3700, 0.2481,
0.4131

 79.4465, 0.3068,
0.3320

 83.7043, 0.3188,
0.3261

 85.9412, 0.3221,
0.3205

 86.2965, 0.3184,
0.3148

 86.6629, 0.3147,
0.3093

Harmonies

Analogous

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



65.4981, 0.3065, 0.4146



65.4981, 0.2578, 0.3711



65.4981, 0.2254, 0.3163

Triad

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



65.4981, 0.2578, 0.3711



65.4981, 0.2614, 0.2445



65.4981, 0.4207, 0.3724

Complementary

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



65.4981, 0.2578, 0.3711



29.2215, 0.4342, 0.2940

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.



65.4981, 0.4079, 0.3300



65.4981, 0.2578, 0.3711



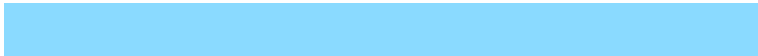
65.4981, 0.3115, 0.2600

Square

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



65.4981, 0.2578, 0.3711



65.4981, 0.2277, 0.2478



65.4981, 0.3664, 0.2903



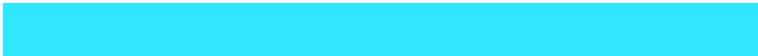
65.4981, 0.4018, 0.4089

Rectangle

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



65.4981, 0.2578, 0.3711



65.4981, 0.2161, 0.2848



65.4981, 0.3664, 0.2903



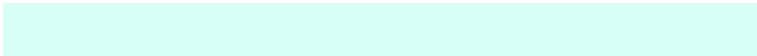
65.4981, 0.4201, 0.3584

Sweetspot

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



65.5007, 0.2578, 0.3711



92.4266, 0.2938, 0.3395



64.6178, 0.3225, 0.4962



19.5995, 0.2915, 0.3409



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.



65.5007, 0.2578, 0.3711



78.3322, 0.2517, 0.3816



50.6538, 0.2343, 0.2866



17.0538, 0.3014, 0.3350



34.8397, 0.2477, 0.4116



2.7510, 0.2441, 0.3987

Inverse Universe

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



29.2215, 0.4342, 0.2940



29.6069, 0.4761, 0.2902



36.2237, 0.4542, 0.3649



15.1158, 0.3254, 0.3231



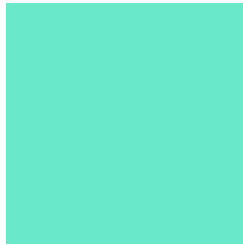
10.0213, 0.5927, 0.3039



0.8019, 0.5536, 0.2823

Previews

White Background



This preview shows how the Yxy color 65.4981, 0.2578, 0.3711 looks on a white background.

Color Contrast Check

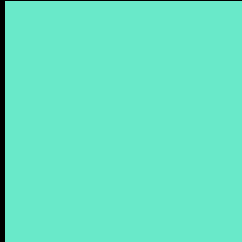
Large Text (above 18pt) WCAG AA × Fail

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 65.4981, 0.2578, 0.3711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

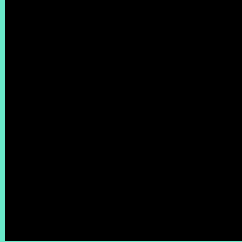
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.4981, 0.2578, 0.3711

Background



This preview shows how black text looks on a background with the Yxy color 65.4981, 0.2578, 0.3711.

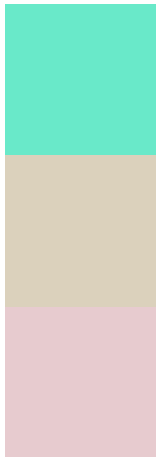


This preview shows how white text looks on a background with the Yxy color 65.4981, 0.2578, 0.3711.

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

65.4981, 0.2578, 0.3711

Protanopia

64.2918, 0.3354, 0.3530

Deuteranopia

64.2058, 0.3316, 0.3247



Tritanopia

65.5238, 0.2421, 0.3069

Trichromacy



Original Color

65.4981, 0.2578, 0.3711



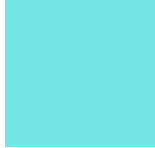
Protanomaly

63.4580, 0.3007, 0.3597



Deuteranomaly

62.8152, 0.2979, 0.3398



Tritanomaly

65.3406, 0.2477, 0.3288

Monochromacy



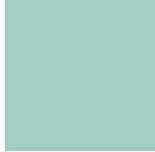
Original Color

65.4981, 0.2578, 0.3711



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

55.5563, 0.2867, 0.3432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.4981, 0.2578, 0.3711 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(105, 233, 201)` looks like.

```
.text, #text, p{  
    color:rgb(105, 233, 201)  
}
```

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(105, 233, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 233, 201) }
```

Border

The CSS property to change the border of an element to Yxy 65.4981, 0.2578, 0.3711 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(105, 233, 201) }
```

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

```
.border{ border-color:rgb(105, 233, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 233, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 233, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 233, 201);  
box-shadow:4px 4px 4px 4px rgb(105, 233,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 65.4981, 0.2578, 0.3711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 233, 201) }
```

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

```
.background{ background-color: rgb(105,  
233, 201) }
```

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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