

# Converting Colors

$Yxy(65.6676, 0.2901, 0.4075)$

Have a look what the booklet for  
Yxy(65.6676, 0.2901, 0.4075)  
contains.

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**Color**

**Yxy(65.6676, 0.2901, 0.4075)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CE7AB
RGB	140, 231, 171
RGB Percent	55%, 91%, 67%
CMY	0.4507, 0.0941, 0.3295
CMYK	0.39, 0.00, 0.26, 0.09
HSL	140°, 65%, 73%
HSV	140°, 39%, 91%
XYZ	46.7489, 65.6676, 48.7310
YIQ	196.9510, -34.9760, -37.9520

# Conversions

## Conversions Part 2

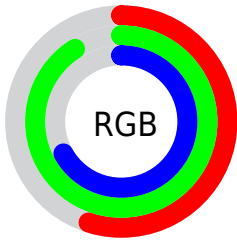
<b>Format</b>	<b>Color</b>
<b>RYB</b>	140, 208, 231
Decimal	9234347
CIELab	84.83, -39.92, 20.86
CIELCh	85, 45.035, 152.413
Yxy	65.6676, 0.2901, 0.4075
Android (android.graphics.Color)	4287424427 (0xFF8CE7AB)
YUV	196.9510, -12.7938, -49.9460
Hunter-Lab	81.0355, -38.8367, 21.0706

# Details

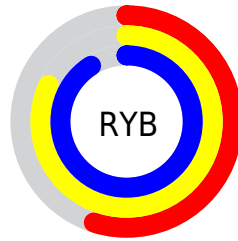
The Yxy color **65.6676, 0.2901, 0.4075** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **39.9380, 0.3465, 0.2622**, and the grayscale version is **55.9078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9364, 0.2934, 0.3592**, and **33.9231, 0.2831, 0.4286** is the 20% darker color. If you saturate the color by 10%, you get **63.3205, 0.2858, 0.4321**, and if you desaturate by 10%, it is **68.5085, 0.2953, 0.3846**.

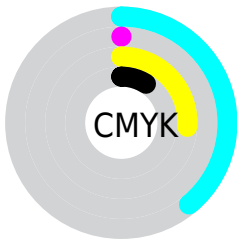
# Distribution



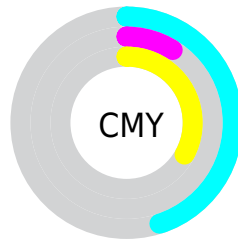
- Red (55%)
- Green (91%)
- Blue (67%)



- Red (55%)
- Yellow (82%)
- Blue (91%)



- Cyan (39%)
- Magenta (0%)
- Yellow (26%)
- Black (9%)




- Cyan (45%)
- Magenta (9%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.6676, 0.2901, 0.4075 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 65.6676, 0.2901, 0.4075 by changing the saturation by 10% instead.





 65.6676, 0.2901,  
0.4075

 65.6676, 0.2901,  
0.4075


445.1872, 0.3017,  
0.3686

 48.0026, 0.2871,  
0.4171


 113.0091, 0.2944,  
0.3934

 33.8290, 0.2833,  
0.4293


 143.4544, 0.2960,  
0.3881

 22.7622, 0.2781,  
0.4454


178.9287, 0.2973,  
0.3836

 14.4180, 0.2707,  
0.4675

219.8162, 0.2985,  
0.3798

 8.4120, 0.2597,  
0.4996

266.5014, 0.2995,  
0.3764

 4.3597, 0.2415,  
0.5498


319.3687, 0.3003,


 1.8767, 0.2098,

0.3735

0.6723


378.8025, 0.3011,  
0.3709

 0.5343, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 65.6676, 0.2901,  
0.4075


 65.6676, 0.2901,  
0.4075


 63.3205, 0.2858,  
0.4321

 68.5085, 0.2953,  
0.3846

 61.4301, 0.2827,  
0.4576


 71.8613, 0.3010,  
0.3636


 59.9672, 0.2811,  
0.4834


 75.7533, 0.3070,  
0.3447

 58.8955, 0.2812,  
0.5082


 80.2074, 0.3131,  
0.3280

 58.1723, 0.2831,  
0.5310

 85.1377, 0.3187,  
0.3132

 57.7307, 0.2865,  
0.5508

 85.6292, 0.3138,  
0.3058

 57.7071, 0.2867,  
0.5520

# Harmonies

## Analogous

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



65.6676, 0.3451, 0.4310



65.6676, 0.2901, 0.4075



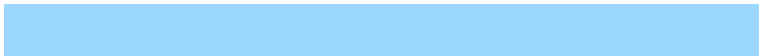
65.6676, 0.2437, 0.3559

# Triad

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



65.6676, 0.2901, 0.4075



65.6676, 0.2329, 0.2418



65.6676, 0.4190, 0.3427

# Complementary

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



65.6676, 0.2901, 0.4075



39.9380, 0.3465, 0.2622

# 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.



65.6676, 0.3835, 0.3002



65.6676, 0.2901, 0.4075



65.6676, 0.2734, 0.2446

# Square

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



65.6676, 0.2901, 0.4075



65.6676, 0.2133, 0.2601



65.6676, 0.3284, 0.2655



65.6676, 0.4221, 0.3858



# Rectangle

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



65.6676, 0.2901, 0.4075



65.6676, 0.2233, 0.3178



65.6676, 0.3284, 0.2655



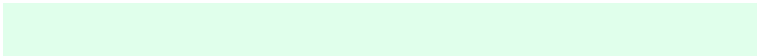
65.6676, 0.4104, 0.3281

# Sweetspot

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



65.6703, 0.2901, 0.4075



93.4182, 0.3054, 0.3496



71.4188, 0.3488, 0.4346



19.8552, 0.3046, 0.3521



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

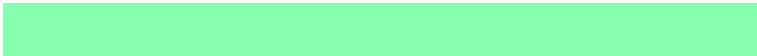


# Same Dimension

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



65.6703, 0.2901, 0.4075



79.8141, 0.2866, 0.4268



67.6802, 0.2660, 0.3477



16.1696, 0.3070, 0.3449



32.3738, 0.2859, 0.5491



2.4092, 0.2776, 0.5194



# Inverse Universe

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



39.9380, 0.3465, 0.2622



43.4976, 0.3558, 0.2493



38.1383, 0.3946, 0.3117



14.5276, 0.3190, 0.3136



10.8276, 0.4296, 0.2140

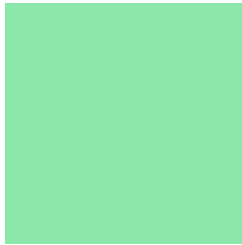


0.8173, 0.4097, 0.2031



# Previews

## White Background



This preview shows how the Yxy color 65.6676, 0.2901, 0.4075 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 65.6676, 0.2901, 0.4075 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

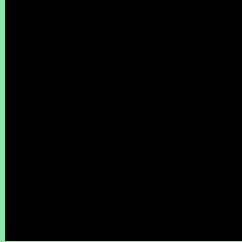
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.6676, 0.2901, 0.4075**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.6676, 0.2901, 0.4075.

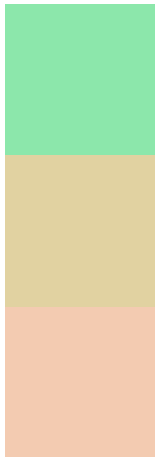


This preview shows how white text looks on a background with the Yxy color 65.6676, 0.2901, 0.4075.

# 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

65.6676, 0.2901, 0.4075

### Protanopia

64.6739, 0.3598, 0.3845

### Deuteranopia

64.9409, 0.3644, 0.3571



## Tritanopia

65.5024, 0.2599, 0.3075

# Trichromacy



## Original Color

65.6676, 0.2901, 0.4075



## Protanomaly

64.3288, 0.3307, 0.3932



## Deuteranomaly

63.8055, 0.3339, 0.3739



## Tritanomaly

65.2408, 0.2708, 0.3413

# Monochromacy



## Original Color

65.6676, 0.2901, 0.4075



## Achromatopsia

55.8340, 0.3127, 0.3290



## Achromatomaly

58.4619, 0.3027, 0.3554

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.6676, 0.2901, 0.4075 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(140, 231, 171)` looks like.

```
.text, #text, p{  
    color:rgb(140, 231, 171)  
}
```

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(140, 231, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 231, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 65.6676, 0.2901, 0.4075 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(140, 231, 171) }
```

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

```
.border{ border-color:rgb(140, 231, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 231, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 231, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 231, 171);  
box-shadow:4px 4px 4px 4px rgb(140, 231,  
171) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.6676, 0.2901, 0.4075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 231, 171) }
```

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

```
.background{ background-color: rgb(140,  
231, 171) }
```

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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