

# Converting Colors

$Yxy(64.9262, 0.2719, 0.3582)$

Have a look what the booklet for  
Yxy(64.9262, 0.2719, 0.3582)  
contains.

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# Color

**Yxy(64.9605, 0.2721, 0.3582)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DE3CC
RGB	141, 227, 204
RGB Percent	55%, 89%, 80%
CMY	0.4472, 0.1098, 0.2001
CMYK	0.38, 0.00, 0.10, 0.11
HSL	164°, 61%, 72%
HSV	164°, 38%, 89%
XYZ	49.3460, 64.9605, 67.0461
YIQ	198.6640, -43.8730, -25.3850

# Conversions

## Conversions Part 2

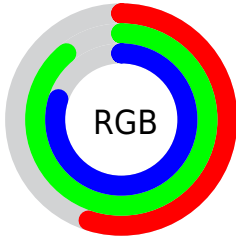
<b>Format</b>	<b>Color</b>
<b>RYB</b>	141, 191, 227
Decimal	9298892
CIELab	84.46, -31.17, 3.06
CIELCh	84, 31.322, 174.390
Yxy	64.9605, 0.2721, 0.3582
Android (android.graphics.Color)	4287488972 (0xFF8DE3CC)
YUV	198.6640, 2.6306, -50.5713
Hunter-Lab	80.5981, -31.7603, 7.0979

# Details

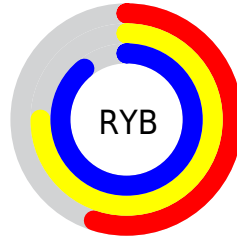
The Yxy color **64.9605, 0.2721, 0.3582** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **38.0553, 0.3805, 0.3022**, and the grayscale version is **56.8975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7458, 0.2794, 0.3289**, and **33.3063, 0.2620, 0.3651** is the 20% darker color. If you saturate the color by 10%, you get **62.8874, 0.2638, 0.3674**, and if you desaturate by 10%, it is **67.4580, 0.2817, 0.3496**.

# Distribution



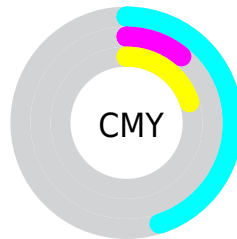
- Red (55%)
- Green (89%)
- Blue (80%)



- Red (55%)
- Yellow (75%)
- Blue (89%)



- Cyan (38%)
- Magenta (0%)
- Yellow (10%)
- Black (11%)




- Cyan (45%)
- Magenta (11%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9605, 0.2721, 0.3582 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 64.9605, 0.2721, 0.3582 by changing the saturation by 10% instead.





 64.9605, 0.2721,  
0.3582


 64.9605, 0.2721,  
0.3582


442.6500, 0.2913,  
0.3442

 47.4291, 0.2676,  
0.3615


 111.9931, 0.2789,  
0.3533

 33.3750, 0.2620,  
0.3657


 142.2630, 0.2815,  
0.3514

 22.4138, 0.2548,  
0.3710


177.5478, 0.2837,  
0.3498

 14.1613, 0.2453,  
0.3782

218.2320, 0.2856,  
0.3484

 8.2329, 0.2320,  
0.3883

264.6999, 0.2873,  
0.3471

 4.2444, 0.2125,  
0.4035

317.3360, 0.2888,

 1.8112, 0.1804,

0.3461

0.4293

376.5245, 0.2901,  
0.3451

0.4941, 0.0000,  
0.6040

0.0000, 0.0000,  
0.0000

64.9605, 0.2721,  
0.3582

64.9605, 0.2721,  
0.3582

62.8874, 0.2638,  
0.3674

67.4580, 0.2817,  
0.3496

61.2056, 0.2572,  
0.3771


70.3952, 0.2922,  
0.3416

59.8898, 0.2523,  
0.3870


73.7960, 0.3035,  
0.3343


58.9082, 0.2494,  
0.3972

77.6805, 0.3152,  
0.3277

 58.2235, 0.2486,  
0.4073


 82.0673, 0.3271,  
0.3218

 57.7838, 0.2495,  
0.4173

 82.5223, 0.3234,  
0.3158

 57.7058, 0.2498,  
0.4194

 82.8905, 0.3194,  
0.3100

 83.2711, 0.3155,  
0.3042

 83.4245, 0.3140,  
0.3019

# Harmonies

## Analogous

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



64.9605, 0.3081, 0.3888



64.9605, 0.2721, 0.3582



64.9605, 0.2478, 0.3199

# Triad

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



64.9605, 0.2721, 0.3582



64.9605, 0.2762, 0.2661



64.9605, 0.3910, 0.3634

# Complementary

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



64.9605, 0.2721, 0.3582



38.0553, 0.3805, 0.3022

# 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.



64.9605, 0.3819, 0.3318



64.9605, 0.2721, 0.3582



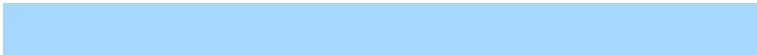
64.9605, 0.3135, 0.2779

# Square

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



64.9605, 0.2721, 0.3582



64.9605, 0.2502, 0.2689



64.9605, 0.3528, 0.3013



64.9605, 0.3776, 0.3889



# Rectangle

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



64.9605, 0.2721, 0.3582



64.9605, 0.2407, 0.2970



64.9605, 0.3528, 0.3013



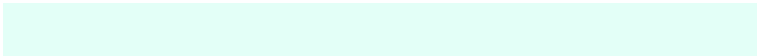
64.9605, 0.3905, 0.3532

# Sweetspot

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



64.9631, 0.2721, 0.3582



94.5884, 0.2999, 0.3365



64.9037, 0.3235, 0.4386



20.1145, 0.2983, 0.3375



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

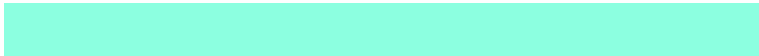


# Same Dimension

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



64.9631, 0.2721, 0.3582



82.5138, 0.2659, 0.3649



56.4993, 0.2566, 0.3053



16.2671, 0.3017, 0.3354



33.6707, 0.2494, 0.4179



2.5034, 0.2454, 0.4032



# Inverse Universe

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



38.0553, 0.3805, 0.3022



43.0287, 0.4006, 0.2972



43.2632, 0.3976, 0.3511



14.4311, 0.3250, 0.3227



9.7360, 0.5867, 0.3006



0.7346, 0.5451, 0.2776



# Previews

## White Background



This preview shows how the Yxy color 64.9605, 0.2721, 0.3582 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

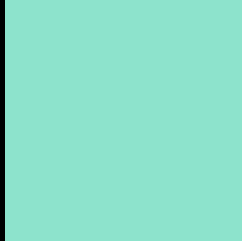
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.9605, 0.2721, 0.3582 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

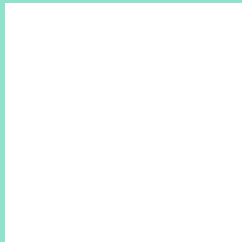
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.9605, 0.2721, 0.3582**

## Background



This preview shows how black text looks on a background with the Yxy color 64.9605, 0.2721, 0.3582.

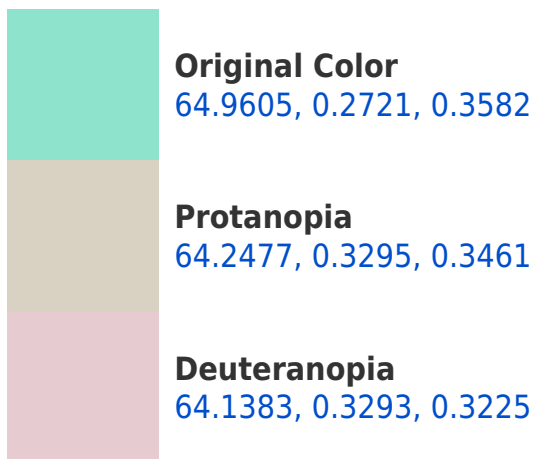


This preview shows how white text looks on a background with the Yxy color 64.9605, 0.2721, 0.3582.

# 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

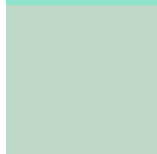
65.0179, 0.2573, 0.3073

# Trichromacy



## Original Color

64.9605, 0.2721, 0.3582



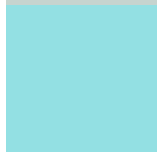
## Protanomaly

64.0078, 0.3053, 0.3506



## Deuteranomaly

63.5977, 0.3059, 0.3348



## Tritanomaly

65.0604, 0.2627, 0.3252

# Monochromacy



## Original Color

64.9605, 0.2721, 0.3582



## Achromatopsia

57.1125, 0.3127, 0.3290



## Achromatomaly

59.2830, 0.2955, 0.3388

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.9605, 0.2721, 0.3582 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(141, 227, 204)` looks like.

```
.text, #text, p{  
    color:rgb(141, 227, 204)  
}
```

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(141, 227, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 227, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 64.9605, 0.2721, 0.3582 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(141, 227, 204) }
```

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

```
.border{ border-color:rgb(141, 227, 204) }
```

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

Here you see how a box with a 4 pixel rgb(141, 227, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 227, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 227, 204);  
box-shadow:4px 4px 4px 4px rgb(141, 227,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.9605, 0.2721, 0.3582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 227, 204) }
```

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

```
.background{ background-color: rgb(141,  
227, 204) }
```

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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