

# Converting Colors

$Yxy(64.7003, 0.2797, 0.3475)$

Have a look what the booklet for  
Yxy(64.7003, 0.2797, 0.3475)  
contains.

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# Color

**Yxy(64.7003, 0.2797, 0.3475)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FDFD0
RGB	159, 223, 208
RGB Percent	62%, 87%, 82%
CMY	0.3763, 0.1255, 0.1844
CMYK	0.29, 0.00, 0.07, 0.13
HSL	166°, 50%, 75%
HSV	166°, 29%, 87%
XYZ	52.0768, 64.7003, 69.4109
YIQ	202.1540, -33.3290, -18.2330

# Conversions

## Conversions Part 2

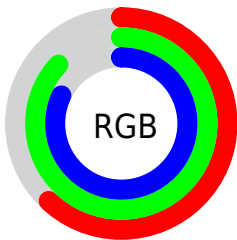
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 195, 223
Decimal	10477520
CIELab	84.33, -23.31, 0.85
CIElCh	84, 23.329, 177.905
Yxy	64.7003, 0.2797, 0.3475
Android (android.graphics.Color)	4288667600 (0xFF9FDFD0)
YUV	202.1540, 2.8821, -37.8461
Hunter-Lab	80.4365, -25.1982, 5.1426

# Details

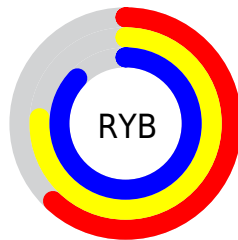
The Yxy color **64.7003, 0.2797, 0.3475** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.5590, 0.3609, 0.3114**, and the grayscale version is **59.1680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **33.3416, 0.2711, 0.3522** is the 20% darker color. If you saturate the color by 10%, you get **62.3708, 0.2699, 0.3550**, and if you desaturate by 10%, it is **67.4548, 0.2906, 0.3405**.

# Distribution



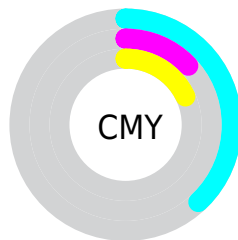
- Red (62%)
- Green (87%)
- Blue (82%)



- Red (62%)
- Yellow (76%)
- Blue (87%)



- Cyan (29%)
- Magenta (0%)
- Yellow (7%)
- Black (13%)




- Cyan (38%)
- Magenta (13%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.7003, 0.2797, 0.3475 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 64.7003, 0.2797, 0.3475 by changing the saturation by 10% instead.





 64.7003, 0.2797,  
0.3475

 64.7003, 0.2797,  
0.3475


441.7142, 0.2953,  
0.3387

 47.2181, 0.2761,  
0.3496

 111.6189, 0.2852,  
0.3444

 33.2081, 0.2715,  
0.3521


 141.8240, 0.2873,  
0.3432

 22.2859, 0.2657,  
0.3554


177.0390, 0.2891,  
0.3422

 14.0671, 0.2580,  
0.3598

217.6481, 0.2907,  
0.3413

 8.1674, 0.2473,  
0.3659

264.0358, 0.2920,  
0.3406

 4.2022, 0.2314,  
0.3750

316.5864, 0.2932,

 1.7873, 0.2057,

0.3399

0.3901

375.6844, 0.2943,  
0.3393

0.4793, 0.0000,  
0.5091

0.0000, 0.0000,  
0.0000

64.7003, 0.2797,  
0.3475

64.7003, 0.2797,  
0.3475

62.3708, 0.2699,  
0.3550

67.4548, 0.2906,  
0.3405

60.4363, 0.2614,  
0.3630


70.6470, 0.3022,  
0.3341

58.8751, 0.2546,  
0.3714


74.2987, 0.3143,  
0.3283

57.6603, 0.2497,  
0.3800

78.4280, 0.3267,  
0.3230

 56.7611, 0.2467,  
0.3888


 79.9827, 0.3280,  
0.3180

 56.1413, 0.2456,  
0.3975


 80.2883, 0.3245,  
0.3129

 55.7464, 0.2463,  
0.4062

 80.6028, 0.3210,  
0.3078

 55.7009, 0.2465,  
0.4073

 80.9263, 0.3175,  
0.3028

 81.2533, 0.3142,  
0.2980

# Harmonies

## Analogous

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



64.7003, 0.3063, 0.3708



64.7003, 0.2797, 0.3475



64.7003, 0.2623, 0.3196

# Triad

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



64.7003, 0.2797, 0.3475



64.7003, 0.2885, 0.2816



64.7003, 0.3707, 0.3583

# Complementary

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



64.7003, 0.2797, 0.3475



43.5590, 0.3609, 0.3114

# 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.



64.7003, 0.3657, 0.3346



64.7003, 0.2797, 0.3475



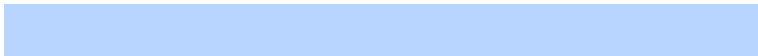
64.7003, 0.3171, 0.2918

# Square

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



64.7003, 0.2797, 0.3475



64.7003, 0.2672, 0.2828



64.7003, 0.3458, 0.3108



64.7003, 0.3593, 0.3757



# Rectangle

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



64.7003, 0.2797, 0.3475



64.7003, 0.2578, 0.3030



64.7003, 0.3458, 0.3108



64.7003, 0.3709, 0.3508

# Sweetspot

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



64.7029, 0.2797, 0.3475



95.5621, 0.3017, 0.3343



64.3964, 0.3199, 0.4093



20.3110, 0.3000, 0.3352



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.



64.7029, 0.2797, 0.3475



85.8560, 0.2741, 0.3516



57.3338, 0.2692, 0.3090



15.5145, 0.3013, 0.3346



32.7708, 0.2461, 0.4060



2.2850, 0.2424, 0.3927



# Inverse Universe

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



43.5590, 0.3609, 0.3114



53.0349, 0.3741, 0.3079



48.8664, 0.3706, 0.3480



13.7530, 0.3255, 0.3235



9.3864, 0.5969, 0.3062

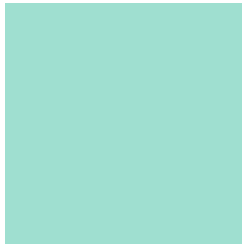


0.6644, 0.5533, 0.2822



# Previews

## White Background



This preview shows how the Yxy color 64.7003, 0.2797, 0.3475 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

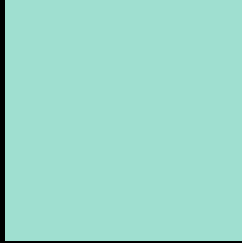
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.7003, 0.2797, 0.3475 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

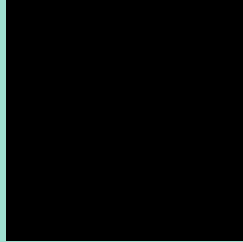
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

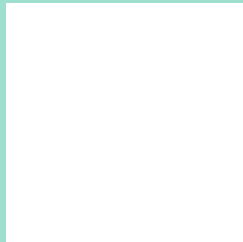
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.7003, 0.2797, 0.3475**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.7003, 0.2797, 0.3475.

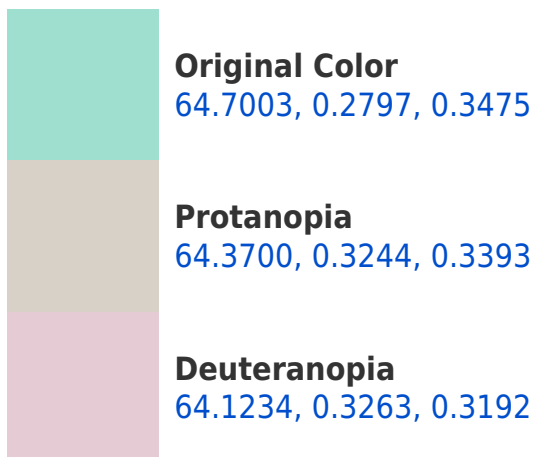


This preview shows how white text looks on a background with the Yxy color 64.7003, 0.2797, 0.3475.

# 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

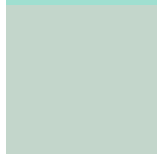
64.7185, 0.2671, 0.3088

# Trichromacy



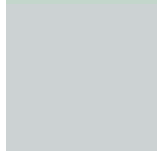
## Original Color

64.7003, 0.2797, 0.3475



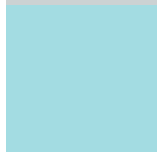
## Protanomaly

64.0070, 0.3063, 0.3420



## Deuteranomaly

63.6337, 0.3076, 0.3278



## Tritanomaly

64.4639, 0.2716, 0.3217

# Monochromacy



## Original Color

64.7003, 0.2797, 0.3475



## Achromatopsia

59.0619, 0.3127, 0.3290



## Achromatomaly

60.8919, 0.2992, 0.3362

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.7003, 0.2797, 0.3475 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(159, 223, 208)` looks like.

```
.text, #text, p{  
    color:rgb(159, 223, 208)  
}
```

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(159, 223, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 223, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 64.7003, 0.2797, 0.3475 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(159, 223, 208) }
```

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

```
.border{ border-color:rgb(159, 223, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 223, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 223, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 223, 208); box-shadow:4px 4px 4px 4px rgb(159, 223, 208) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.7003, 0.2797, 0.3475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 223, 208) }
```

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

```
.background{ background-color: rgb(159,  
223, 208) }
```

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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