

# Converting Colors

Yxy(64.5413, 0.2718, 0.3606)

Have a look what the booklet for  
Yxy(64.5413, 0.2718, 0.3606)  
contains.

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# Color

**Yxy(64.6914, 0.2721, 0.3609)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8BE3CA
RGB	139, 227, 202
RGB Percent	55%, 89%, 79%
CMY	0.4550, 0.1098, 0.2079
CMYK	0.39, 0.00, 0.11, 0.11
HSL	163°, 61%, 72%
HSV	163°, 39%, 89%
XYZ	48.7740, 64.6914, 65.7848
YIQ	197.8380, -44.4230, -26.4310

# Conversions

## Conversions Part 2

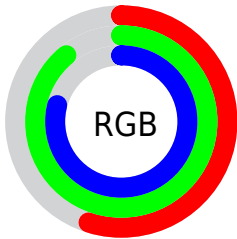
<b>Format</b>	<b>Color</b>
<b>RYB</b>	139, 190, 227
Decimal	9167818
CIELab	84.32, -32.13, 3.90
CIElCh	84, 32.367, 173.087
Yxy	64.6914, 0.2721, 0.3609
Android (android.graphics.Color)	4287357898 (0xFF8BE3CA)
YUV	197.8380, 2.0519, -51.6009
Hunter-Lab	80.4310, -32.5104, 7.8081

# Details

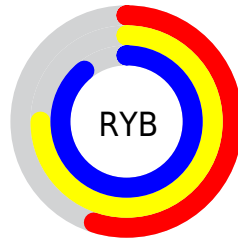
The Yxy color **64.6914, 0.2721, 0.3609** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **37.4742, 0.3811, 0.2999**, and the grayscale version is **56.3750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4758, 0.2784, 0.3289**, and **33.1488, 0.2622, 0.3688** is the 20% darker color. If you saturate the color by 10%, you get **62.6395, 0.2641, 0.3708**, and if you desaturate by 10%, it is **67.1670, 0.2814, 0.3516**.

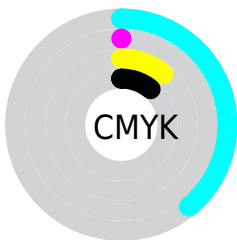
# Distribution



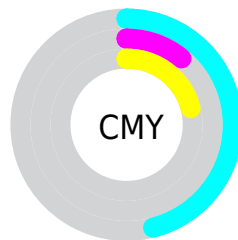
- Red (55%)
- Green (89%)
- Blue (79%)



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



- Cyan (39%)
- Magenta (0%)
- Yellow (11%)
- Black (11%)




- Cyan (46%)
- Magenta (11%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6914, 0.2721, 0.3609 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 64.6914, 0.2721, 0.3609 by changing the saturation by 10% instead.





 64.6914, 0.2721,  
0.3609


 64.6914, 0.2721,  
0.3609


441.6822, 0.2914,  
0.3456

 47.2109, 0.2676,  
0.3645


 111.6061, 0.2789,  
0.3555

 33.2024, 0.2619,  
0.3691


 141.8090, 0.2815,  
0.3534

 22.2815, 0.2547,  
0.3750


177.0216, 0.2837,  
0.3516

 14.0639, 0.2451,  
0.3830

217.6281, 0.2857,  
0.3501

 8.1651, 0.2317,  
0.3943

264.0131, 0.2874,  
0.3487

 4.2008, 0.2118,  
0.4114


316.5608, 0.2888,

 1.7865, 0.1784,

0.3476

0.4410

375.6557, 0.2902,  
0.3465


 0.4787, 0.0000,  
0.6579


 0.0000, 0.0000,  
0.0000

 64.6914, 0.2721,  
0.3609

 64.6914, 0.2721,  
0.3609


 62.6395, 0.2641,  
0.3708


 67.1670, 0.2814,  
0.3516


 60.9780, 0.2577,  
0.3811

 70.0817, 0.2917,  
0.3431

 59.6812, 0.2532,  
0.3918


 73.4596, 0.3027,  
0.3353


 58.7169, 0.2506,  
0.4026


 77.3210, 0.3141,  
0.3282

 58.0472, 0.2501,  
0.4134


 81.6846, 0.3258,  
0.3218

 57.6145, 0.2513,  
0.4241

 82.5356, 0.3233,  
0.3156

 57.5683, 0.2515,  
0.4254

 82.9275, 0.3190,  
0.3093

 83.3332, 0.3149,  
0.3032

 83.4224, 0.3140,  
0.3019

# Harmonies

## Analogous

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



64.6914, 0.3096, 0.3920



64.6914, 0.2721, 0.3609



64.6914, 0.2464, 0.3211

# Triad

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



64.6914, 0.2721, 0.3609



64.6914, 0.2735, 0.2638



64.6914, 0.3938, 0.3631

# Complementary

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



64.6914, 0.2721, 0.3609



37.4742, 0.3811, 0.2999

# 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.



64.6914, 0.3834, 0.3304



64.6914, 0.2721, 0.3609



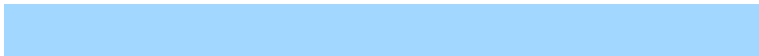
64.6914, 0.3117, 0.2755

# Square

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



64.6914, 0.2721, 0.3609



64.6914, 0.2473, 0.2674



64.6914, 0.3526, 0.2992



64.6914, 0.3808, 0.3900



# Rectangle

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



64.6914, 0.2721, 0.3609



64.6914, 0.2386, 0.2972



64.6914, 0.3526, 0.2992



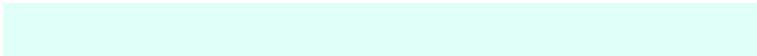
64.6914, 0.3930, 0.3524

# Sweetspot

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



64.6940, 0.2721, 0.3609



94.1037, 0.2990, 0.3378



64.8477, 0.3247, 0.4411



20.0165, 0.2975, 0.3388



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

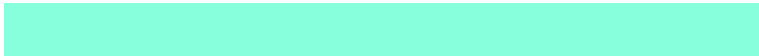


# Same Dimension

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



64.6940, 0.2721, 0.3609



81.9002, 0.2652, 0.3693



56.8336, 0.2557, 0.3066



16.2629, 0.3019, 0.3358



33.5924, 0.2511, 0.4238



2.4981, 0.2467, 0.4082



# Inverse Universe

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



37.4742, 0.3811, 0.2999



41.5026, 0.4043, 0.2938



42.1717, 0.4010, 0.3499



14.4350, 0.3248, 0.3223



9.7609, 0.5812, 0.2975



0.7369, 0.5395, 0.2745



# Previews

## White Background



This preview shows how the Yxy color 64.6914, 0.2721, 0.3609 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

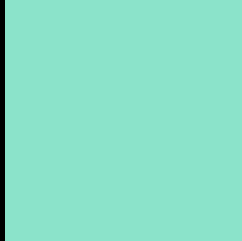
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.6914, 0.2721, 0.3609 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

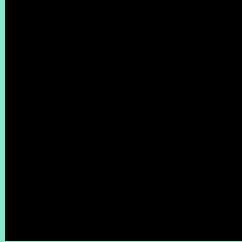
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

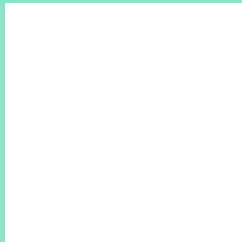
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.6914, 0.2721, 0.3609**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.6914, 0.2721, 0.3609.

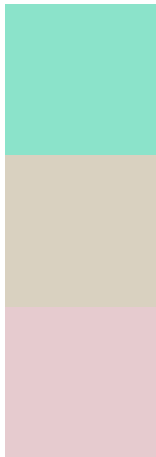


This preview shows how white text looks on a background with the Yxy color 64.6914, 0.2721, 0.3609.

# 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

64.6914, 0.2721, 0.3609

### Protanopia

64.1584, 0.3309, 0.3484

### Deuteranopia

64.0399, 0.3308, 0.3247



## Tritanopia

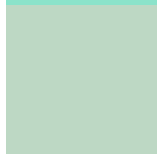
64.7704, 0.2567, 0.3084

# Trichromacy



## Original Color

64.6914, 0.2721, 0.3609



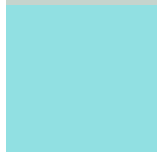
## Protanomaly

63.9161, 0.3066, 0.3530



## Deuteranomaly

63.3651, 0.3065, 0.3372



## Tritanomaly

64.8220, 0.2621, 0.3264

# Monochromacy



## Original Color

64.6914, 0.2721, 0.3609



## Achromatopsia

56.4712, 0.3127, 0.3290



## Achromatomaly

59.0716, 0.2961, 0.3414

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.6914, 0.2721, 0.3609 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(139, 227, 202)` looks like.

```
.text, #text, p{  
    color:rgb(139, 227, 202)  
}
```

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(139, 227, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 227, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 64.6914, 0.2721, 0.3609 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(139, 227, 202) }
```

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

```
.border{ border-color:rgb(139, 227, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 227, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 227, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 227, 202);  
box-shadow:4px 4px 4px 4px rgb(139, 227,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.6914, 0.2721, 0.3609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 227, 202) }
```

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

```
.background{ background-color: rgb(139,  
227, 202) }
```

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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