

# Converting Colors

$Yxy(64.5308, 0.2746, 0.3270)$

Have a look what the booklet for  
Yxy(64.5308, 0.2746, 0.3270)  
contains.

<b>Yxy(64.3528, 0.2744, 0.3265)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(64.3528, 0.2744, 0.3265)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A4DCDE
RGB	164, 220, 222
RGB Percent	64%, 86%, 87%
CMY	0.3569, 0.1372, 0.1295
CMYK	0.26, 0.01, 0.00, 0.13
HSL	182°, 47%, 76%
HSV	182°, 26%, 87%
XYZ	54.0839, 64.3528, 78.6622
YIQ	203.4840, -34.0180, -11.2500

# Conversions

## Conversions Part 2

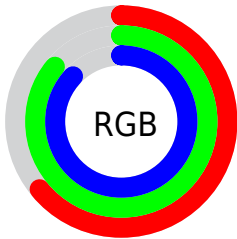
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 192, 222
Decimal	10804446
CIELab	84.15, -17.35, -6.79
CIElCh	84, 18.628, 201.371
Yxy	64.3528, 0.2744, 0.3265
Android (android.graphics.Color)	4288994526 (0xFFA4DCDE)
YUV	203.4840, 9.1284, -34.6275
Hunter-Lab	80.2202, -20.0418, -1.9843

# Details

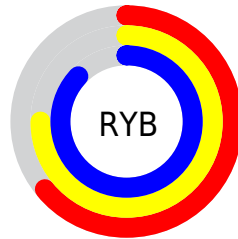
The Yxy color **64.3528, 0.2744, 0.3265** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.4656, 0.3678, 0.3315**, and the grayscale version is **59.9983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **33.0153, 0.2649, 0.3256** is the 20% darker color. If you saturate the color by 10%, you get **61.8012, 0.2617, 0.3254**, and if you desaturate by 10%, it is **67.3236, 0.2883, 0.3275**.

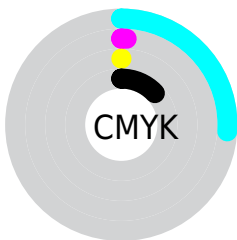
# Distribution



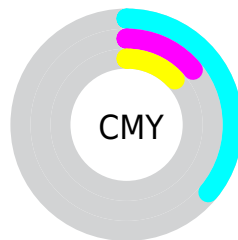
- Red (64%)
- Green (86%)
- Blue (87%)



- Red (64%)
- Yellow (75%)
- Blue (87%)



- Cyan (26%)
- Magenta (1%)
- Yellow (0%)
- Black (13%)




- Cyan (36%)
- Magenta (14%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.3528, 0.2744, 0.3265 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 64.3528, 0.2744, 0.3265 by changing the saturation by 10% instead.





 64.3528, 0.2744,  
0.3265

 64.3528, 0.2744,  
0.3265


440.4626, 0.2923,  
0.3279

 46.9365, 0.2703,  
0.3261


 111.1189, 0.2807,  
0.3271

 32.9854, 0.2651,  
0.3256


 141.2374, 0.2831,  
0.3273

 22.1153, 0.2586,  
0.3248


176.3588, 0.2852,  
0.3274

 13.9416, 0.2500,  
0.3237

216.8675, 0.2870,  
0.3276

 8.0801, 0.2381,  
0.3220

263.1478, 0.2886,  
0.3277

 4.1462, 0.2209,  
0.3191

315.5841, 0.2900,

 1.7557, 0.1937,

0.3278

374.5609, 0.2912,  
0.3279

0.3133

0.4593, 0.0091,  
0.3174

0.0000, 0.0000,  
0.0000

64.3528, 0.2744,  
0.3265

64.3528, 0.2744,  
0.3265

61.8012, 0.2617,  
0.3254

67.3236, 0.2883,  
0.3275

59.6395, 0.2505,  
0.3243

70.7255, 0.3032,  
0.3285

57.8470, 0.2411,  
0.3232

74.5799, 0.3188,  
0.3293

56.3979, 0.2336,  
0.3220

78.9042, 0.3347,  
0.3301

■ 55.2629, 0.2280,  
0.3209

■ 79.7260, 0.3362,  
0.3309

■ 54.4080, 0.2243,  
0.3198

■ 80.1319, 0.3361,  
0.3316

■ 53.7908, 0.2223,  
0.3186

■ 80.5395, 0.3360,  
0.3324

■ 53.5867, 0.2217,  
0.3182

■ 80.9490, 0.3359,  
0.3331

■ 81.3603, 0.3358,  
0.3339

# Harmonies

## Analogous

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



64.3528, 0.2905, 0.3483



64.3528, 0.2744, 0.3265



64.3528, 0.2683, 0.3064

# Triad

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



64.3528, 0.2744, 0.3265



64.3528, 0.3112, 0.2964



64.3528, 0.3530, 0.3643

# Complementary

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



64.3528, 0.2744, 0.3265



45.4656, 0.3678, 0.3315

# 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.



64.3528, 0.3592, 0.3490



64.3528, 0.2744, 0.3265



64.3528, 0.3346, 0.3106

# Square

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



64.3528, 0.2744, 0.3265



64.3528, 0.2889, 0.2901



64.3528, 0.3524, 0.3295



64.3528, 0.3358, 0.3705

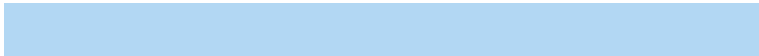


# Rectangle

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



64.3528, 0.2744, 0.3265



64.3528, 0.2706, 0.2968



64.3528, 0.3524, 0.3295



64.3528, 0.3565, 0.3599

# Sweetspot

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



64.3554, 0.2744, 0.3265



95.8926, 0.3003, 0.3283



62.8736, 0.3080, 0.4010



20.3693, 0.2980, 0.3281



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.



64.3554, 0.2744, 0.3265



86.2623, 0.2677, 0.3260



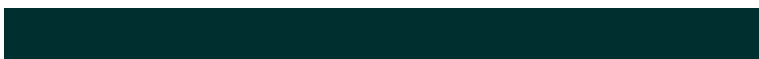
50.4494, 0.2710, 0.2901



15.4882, 0.2982, 0.3282



31.8711, 0.2218, 0.3184



2.2345, 0.2223, 0.3201



# Inverse Universe

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



47.2425, 0.3174, 0.2663



59.3392, 0.3184, 0.2540



57.2002, 0.3594, 0.3650



13.9272, 0.3143, 0.3067



12.1254, 0.3296, 0.1589

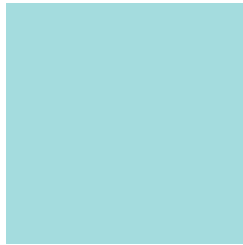


0.8430, 0.3281, 0.1581



# Previews

## White Background



This preview shows how the Yxy color 64.3528, 0.2744, 0.3265 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

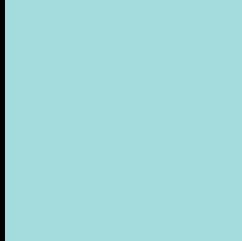
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.3528, 0.2744, 0.3265 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

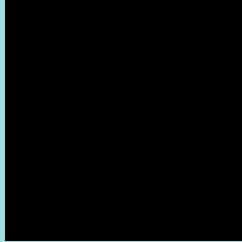
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

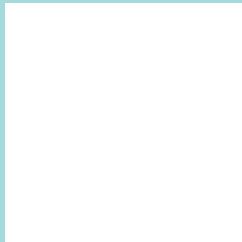
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.3528, 0.2744, 0.3265**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.3528, 0.2744, 0.3265.

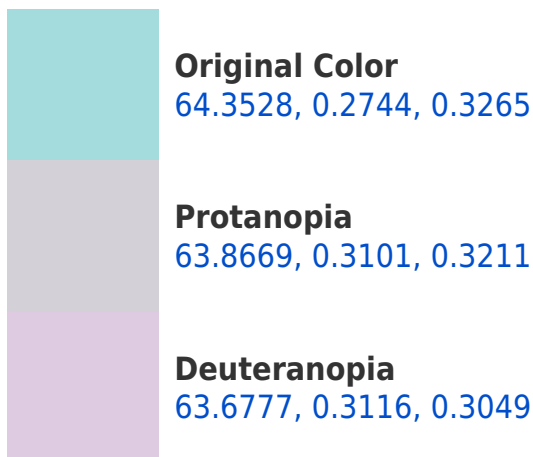


This preview shows how white text looks on a background with the Yxy color 64.3528, 0.2744, 0.3265.

# 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

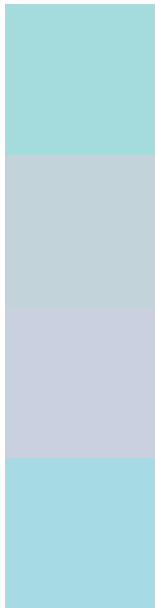




## Tritanopia

64.3565, 0.2687, 0.3088

# Trichromacy



**Original Color**

64.3528, 0.2744, 0.3265

**Protanomaly**

63.6183, 0.2958, 0.3220

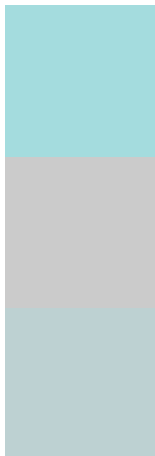
**Deuteranomaly**

63.4003, 0.2968, 0.3118

**Tritanomaly**

64.4832, 0.2710, 0.3158

# Monochromacy



**Original Color**

64.3528, 0.2744, 0.3265

**Achromatopsia**

59.7202, 0.3127, 0.3290

**Achromatomaly**

61.0729, 0.2974, 0.3278

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.3528, 0.2744, 0.3265 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(164, 220, 222)` looks like.

```
.text, #text, p{  
    color:rgb(164, 220, 222)  
}
```

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(164, 220, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 220, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 64.3528, 0.2744, 0.3265 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(164, 220, 222) }
```

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

```
.border{ border-color:rgb(164, 220, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 220, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 220, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 220, 222); box-shadow:4px 4px 4px 4px rgb(164, 220, 222) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.3528, 0.2744, 0.3265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 220, 222) }
```

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

```
.background{ background-color: rgb(164,  
220, 222) }
```

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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