

# Converting Colors

$Yxy(62.6847, 0.2568, 0.3317)$

Have a look what the booklet for  
Yxy(62.6847, 0.2568, 0.3317)  
contains.

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# Color

**Yxy(62.6629, 0.2564, 0.3314)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81DFDD
RGB	129, 223, 221
RGB Percent	51%, 87%, 87%
CMY	0.4944, 0.1254, 0.1334
CMYK	0.42, 0.00, 0.01, 0.13
HSL	179°, 60%, 69%
HSV	179°, 42%, 87%
XYZ	48.4815, 62.6629, 77.9410
YIQ	194.6660, -55.3820, -20.5500

# Conversions

## Conversions Part 2

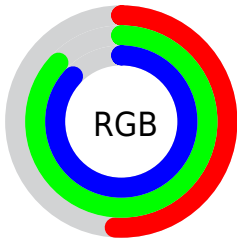
<b>Format</b>	<b>Color</b>
<b>RYB</b>	129, 177, 223
Decimal	8511453
CIELab	83.26, -28.37, -7.76
CIELCh	83, 29.409, 195.305
Yxy	62.6629, 0.2564, 0.3314
Android (android.graphics.Color)	4286701533 (0xFF81DFDD)
YUV	194.6660, 12.9827, -57.5891
Hunter-Lab	79.1599, -29.2075, -2.9651

# Details

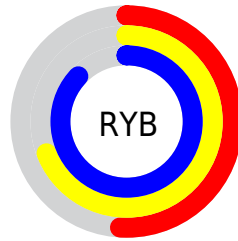
The Yxy color **62.6629, 0.2564, 0.3314** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.0067, 0.4196, 0.3269**, and the grayscale version is **54.3001, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1791, 0.2731, 0.3289**, and **31.7302, 0.2427, 0.3305** is the 20% darker color. If you saturate the color by 10%, you get **61.0812, 0.2468, 0.3321**, and if you desaturate by 10%, it is **64.6306, 0.2677, 0.3308**.

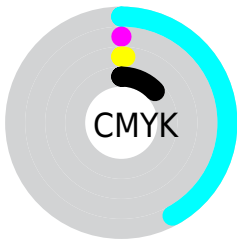
# Distribution



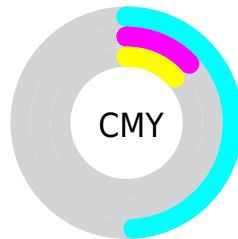
- Red (51%)
- Green (87%)
- Blue (87%)



- Red (51%)
- Yellow (69%)
- Blue (87%)



- Cyan (42%)
- Magenta (0%)
- Yellow (1%)
- Black (13%)




- Cyan (49%)
- Magenta (13%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.6629, 0.2564, 0.3314 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 62.6629, 0.2564, 0.3314 by changing the saturation by 10% instead.




 62.6629, 0.2564,  
0.3314

 62.6629, 0.2564,  
0.3314


434.3450, 0.2827,  
0.3308

 45.5686, 0.2503,  
0.3314


 108.6830, 0.2656,  
0.3313

 31.9055, 0.2428,  
0.3313


 138.3776, 0.2691,  
0.3312

 21.2893, 0.2333,  
0.3312


 173.0411, 0.2722,  
0.3311

 13.3357, 0.2208,  
0.3307

213.0578, 0.2749,  
0.3311

 7.6601, 0.2038,  
0.3296

258.8121, 0.2772,  
0.3310

 3.8782, 0.1794,  
0.3272

310.6885, 0.2792,

 1.6057, 0.1408,

0.3309

369.0714, 0.2811,  
0.3308

0.3215

0.3614, 0.0000,  
0.2785

0.0000, 0.0000,  
0.0000

62.6629, 0.2564,  
0.3314

62.6629, 0.2564,  
0.3314

61.0812, 0.2468,  
0.3321

64.6306, 0.2677,  
0.3308

59.8530, 0.2391,  
0.3328

66.9997, 0.2805,  
0.3302

58.9528, 0.2333,  
0.3334


69.7937, 0.2945,  
0.3296

58.3483, 0.2294,  
0.3341


73.0322, 0.3094,  
0.3291


 58.0007, 0.2272,  
0.3348

 76.7334, 0.3248,  
0.3286

 57.8581, 0.2265,  
0.3354

 79.4194, 0.3350,  
0.3282

 79.4454, 0.3347,  
0.3277

 79.4715, 0.3344,  
0.3273

 79.4977, 0.3340,  
0.3268

# Harmonies

## Analogous

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



62.6629, 0.2837, 0.3669



62.6629, 0.2564, 0.3314



62.6629, 0.2440, 0.2978

# Triad

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



62.6629, 0.2564, 0.3314



62.6629, 0.3021, 0.2755



62.6629, 0.3803, 0.3799

# Complementary

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



62.6629, 0.2564, 0.3314



33.0067, 0.4196, 0.3269

# 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.



62.6629, 0.3867, 0.3531



62.6629, 0.2564, 0.3314



62.6629, 0.3401, 0.2949

# Square

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



62.6629, 0.2564, 0.3314



62.6629, 0.2691, 0.2682



62.6629, 0.3718, 0.3226



62.6629, 0.3553, 0.3950

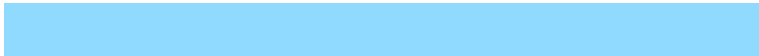


# Rectangle

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



62.6629, 0.2564, 0.3314



62.6629, 0.2451, 0.2814



62.6629, 0.3718, 0.3226



62.6629, 0.3848, 0.3719

# Sweetspot

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



62.6654, 0.2564, 0.3314



94.2001, 0.2932, 0.3297



59.2773, 0.3085, 0.4587



19.9741, 0.2900, 0.3298



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.



62.6654, 0.2564, 0.3314



82.9174, 0.2475, 0.3320



42.2713, 0.2457, 0.2697



15.5670, 0.2985, 0.3295



34.0160, 0.2265, 0.3353



2.3594, 0.2262, 0.3342



# Inverse Universe

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



33.0067, 0.4196, 0.3269



37.4664, 0.4572, 0.3266



47.0958, 0.3988, 0.3809



13.7053, 0.3289, 0.3285



9.2326, 0.6377, 0.3286

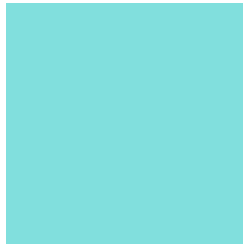


0.6417, 0.6306, 0.3248



# Previews

## White Background



This preview shows how the Yxy color 62.6629, 0.2564, 0.3314 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

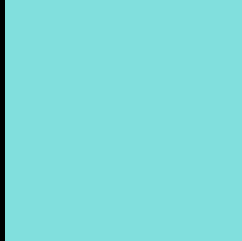
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.6629, 0.2564, 0.3314 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

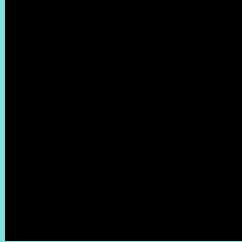
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.6629, 0.2564, 0.3314**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.6629, 0.2564, 0.3314.

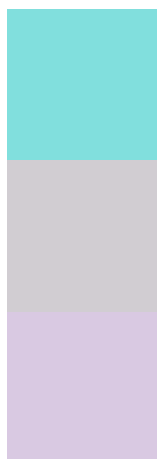


This preview shows how white text looks on a background with the Yxy color 62.6629, 0.2564, 0.3314.

# 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

62.6629, 0.2564, 0.3314

### Protanopia

61.8711, 0.3122, 0.3233

### Deuteranopia

62.0160, 0.3072, 0.3013



## Tritanopia

62.4278, 0.2499, 0.3067

# Trichromacy



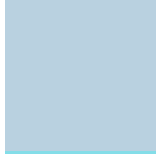
## Original Color

62.6629, 0.2564, 0.3314



## Protanomaly

61.6453, 0.2887, 0.3265



## Deuteranomaly

61.2970, 0.2857, 0.3112



## Tritanomaly

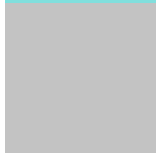
62.4446, 0.2520, 0.3151

# Monochromacy



## Original Color

62.6629, 0.2564, 0.3314



## Achromatopsia

54.5724, 0.3127, 0.3290



## Achromatomaly

56.6802, 0.2885, 0.3302

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.6629, 0.2564, 0.3314 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(129, 223, 221)` looks like.

```
.text, #text, p{  
    color:rgb(129, 223, 221)  
}
```

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(129, 223, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 223, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 62.6629, 0.2564, 0.3314 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(129, 223, 221) }
```

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

```
.border{ border-color:rgb(129, 223, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 223, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 223, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 223, 221);  
box-shadow:4px 4px 4px 4px rgb(129, 223,  
221) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.6629, 0.2564, 0.3314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 223, 221) }
```

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

```
.background{ background-color: rgb(129,  
223, 221) }
```

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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