

# Converting Colors

$Yxy(63.2157, 0.2617, 0.3433)$

Have a look what the booklet for  
Yxy(63.2157, 0.2617, 0.3433)  
contains.

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# Color

**Yxy(62.9407, 0.2617, 0.3429)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83E0D5
RGB	131, 224, 213
RGB Percent	51%, 88%, 84%
CMY	0.4860, 0.1216, 0.1646
CMYK	0.41, 0.00, 0.05, 0.12
HSL	173°, 60%, 70%
HSV	173°, 41%, 88%
XYZ	48.0361, 62.9407, 72.5773
YIQ	194.9390, -51.8970, -23.1370

# Conversions

## Conversions Part 2

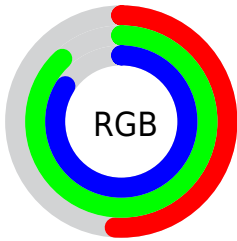
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	131, 180, 224
Decimal	8642773
CIE <sub>Lab</sub>	83.41, -30.22, -3.31
CIE <sub>LCh</sub>	83, 30.405, 186.247
Yxy	62.9407, 0.2617, 0.3429
Android (android.graphics.Color)	4286832853 (0xFF83E0D5)
YUV	194.9390, 8.9041, -56.0745
Hunter-Lab	79.3352, -30.7578, 1.2950

# Details

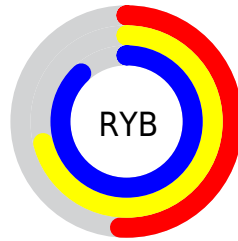
The Yxy color **62.9407, 0.2617, 0.3429** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.0544, 0.4063, 0.3162**, and the grayscale version is **54.5163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4314, 0.2742, 0.3289**, and **31.9297, 0.2494, 0.3462** is the 20% darker color. If you saturate the color by 10%, you get **61.2092, 0.2527, 0.3468**, and if you desaturate by 10%, it is **65.0660, 0.2723, 0.3392**.

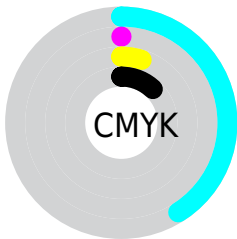
# Distribution



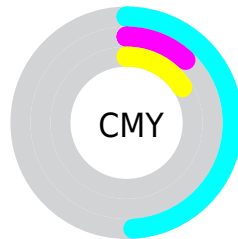
- Red (51%)
- Green (88%)
- Blue (84%)



- Red (51%)
- Yellow (71%)
- Blue (88%)



- Cyan (41%)
- Magenta (0%)
- Yellow (5%)
- Black (12%)




- Cyan (49%)
- Magenta (12%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.9407, 0.2617, 0.3429 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 62.9407, 0.2617, 0.3429 by changing the saturation by 10% instead.




 62.9407, 0.2617,  
0.3429


 62.9407, 0.2617,  
0.3429

435.3542, 0.2857,  
0.3366

 45.7932, 0.2561,  
0.3443


 109.0840, 0.2701,  
0.3407

 32.0827, 0.2492,  
0.3460


 138.8485, 0.2733,  
0.3399

 21.4247, 0.2404,  
0.3482


 173.5876, 0.2761,  
0.3391

 13.4348, 0.2288,  
0.3509

213.6856, 0.2785,  
0.3385

 7.7286, 0.2129,  
0.3545

259.5268, 0.2807,  
0.3379

 3.9218, 0.1897,  
0.3592

311.4958, 0.2825,

 1.6299, 0.1514,

0.3374

369.9768, 0.2842,  
0.3370

0.3664

0.3776, 0.0000,  
0.3702

0.0000, 0.0000,  
0.0000

62.9407, 0.2617,  
0.3429

62.9407, 0.2617,  
0.3429

61.2092, 0.2527,  
0.3468

65.0660, 0.2723,  
0.3392

59.8390, 0.2455,  
0.3509


67.6006, 0.2841,  
0.3357

58.8042, 0.2402,  
0.3550

70.5681, 0.2970,  
0.3324


58.0728, 0.2368,  
0.3591

73.9881, 0.3107,  
0.3294


 57.6061, 0.2353,  
0.3632


 77.8792, 0.3247,  
0.3267

 57.3623, 0.2352,  
0.3667

 80.2178, 0.3315,  
0.3242

 80.3666, 0.3297,  
0.3216

 80.5177, 0.3279,  
0.3189

 80.6711, 0.3261,  
0.3164

# Harmonies

## Analogous

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



62.9407, 0.2934, 0.3775



62.9407, 0.2617, 0.3429



62.9407, 0.2439, 0.3063

# Triad

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



62.9407, 0.2617, 0.3429



62.9407, 0.2905, 0.2702



62.9407, 0.3868, 0.3739

# Complementary

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



62.9407, 0.2617, 0.3429



34.0544, 0.4063, 0.3162

# 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.



62.9407, 0.3868, 0.3443



62.9407, 0.2617, 0.3429



62.9407, 0.3292, 0.2868

# Square

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



62.9407, 0.2617, 0.3429



62.9407, 0.2597, 0.2670



62.9407, 0.3652, 0.3132



62.9407, 0.3660, 0.3942

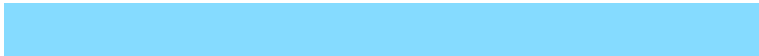


# Rectangle

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



62.9407, 0.2617, 0.3429



62.9407, 0.2415, 0.2867



62.9407, 0.3652, 0.3132



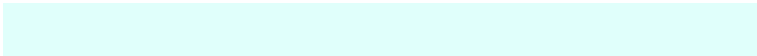
62.9407, 0.3893, 0.3647

# Sweetspot

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



62.9432, 0.2617, 0.3429



94.4206, 0.2962, 0.3326



60.8290, 0.3146, 0.4539



20.0915, 0.2945, 0.3330



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

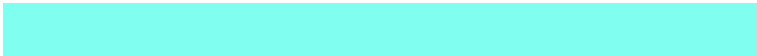


# Same Dimension

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



62.9432, 0.2617, 0.3429



82.3581, 0.2536, 0.3464



47.0068, 0.2489, 0.2838



15.5430, 0.2998, 0.3318



33.4032, 0.2350, 0.3661



2.3233, 0.2333, 0.3597



# Inverse Universe

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



34.0544, 0.4063, 0.3162



38.5381, 0.4384, 0.3139



44.4501, 0.4017, 0.3695



13.7267, 0.3274, 0.3263



9.2776, 0.6250, 0.3216



0.6519, 0.5924, 0.3037



# Previews

## White Background



This preview shows how the Yxy color 62.9407, 0.2617, 0.3429 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

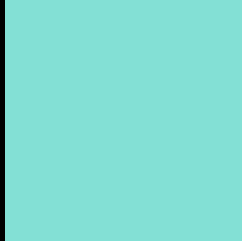
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.9407, 0.2617, 0.3429 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

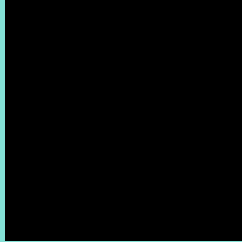
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

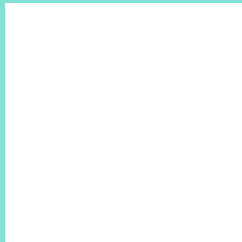
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.9407, 0.2617, 0.3429**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.9407, 0.2617, 0.3429.

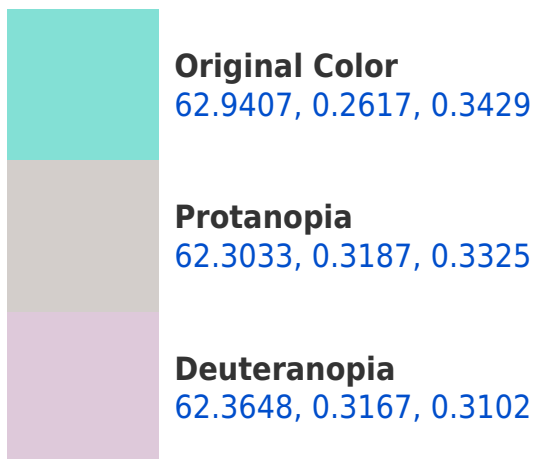


This preview shows how white text looks on a background with the Yxy color 62.9407, 0.2617, 0.3429.

# 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

62.7627, 0.2518, 0.3068

# Trichromacy



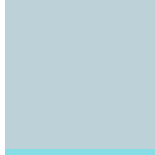
## Original Color

62.9407, 0.2617, 0.3429



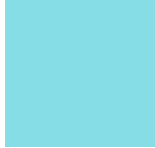
## Protanomaly

62.0386, 0.2945, 0.3362



## Deuteranomaly

61.3776, 0.2935, 0.3207



## Tritanomaly

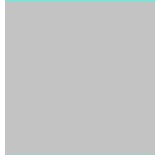
62.5209, 0.2550, 0.3189

# Monochromacy



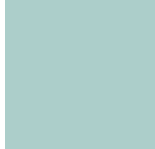
## Original Color

62.9407, 0.2617, 0.3429



## Achromatopsia

54.5724, 0.3127, 0.3290



## Achromatomaly

57.1775, 0.2905, 0.3340

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.9407, 0.2617, 0.3429 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(131, 224, 213)` looks like.

```
.text, #text, p{  
    color:rgb(131, 224, 213)  
}
```

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(131, 224, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 224, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 62.9407, 0.2617, 0.3429 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(131, 224, 213) }
```

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

```
.border{ border-color:rgb(131, 224, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 224, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 224, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 224, 213);  
box-shadow:4px 4px 4px 4px rgb(131, 224,  
213) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.9407, 0.2617, 0.3429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 224, 213) }
```

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

```
.background{ background-color: rgb(131,  
224, 213) }
```

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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