

# Converting Colors

$Yxy(62.5155, 0.2590, 0.3428)$

Have a look what the booklet for  
Yxy(62.5155, 0.2590, 0.3428)  
contains.

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# Color

**Yxy(62.5510, 0.2592, 0.3430)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7EE0D5
RGB	126, 224, 213
RGB Percent	49%, 88%, 84%
CMY	0.5060, 0.1215, 0.1646
CMYK	0.44, 0.00, 0.05, 0.12
HSL	173°, 61%, 69%
HSV	173°, 44%, 88%
XYZ	47.2689, 62.5510, 72.5446
YIQ	193.4440, -54.8770, -24.1970

# Conversions

## Conversions Part 2

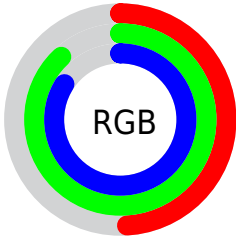
<b>Format</b>	<b>Color</b>
<b>RYB</b>	126, 178, 224
Decimal	8315093
CIELab	83.21, -31.47, -3.64
CIELCh	83, 31.679, 186.592
Yxy	62.5510, 0.2592, 0.3430
Android (android.graphics.Color)	4286505173 (0xFF7EE0D5)
YUV	193.4440, 9.6411, -59.1484
Hunter-Lab	79.0892, -31.7228, 0.9787

# Details

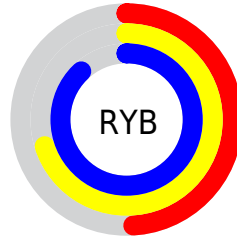
The Yxy color **62.5510, 0.2592, 0.3430** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.5691, 0.4148, 0.3163**, and the grayscale version is **53.5682, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8073, 0.2716, 0.3289**, and **31.7028, 0.2464, 0.3463** is the 20% darker color. If you saturate the color by 10%, you get **60.9108, 0.2506, 0.3467**, and if you desaturate by 10%, it is **64.5793, 0.2695, 0.3394**.

# Distribution



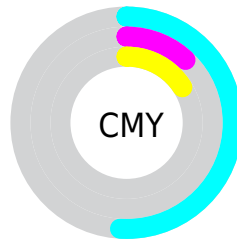
- Red (49%)
- Green (88%)
- Blue (84%)



- Red (49%)
- Yellow (70%)
- Blue (88%)



- Cyan (44%)
- Magenta (0%)
- Yellow (5%)
- Black (12%)




- Cyan (51%)
- Magenta (12%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.5510, 0.2592, 0.3430 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 62.5510, 0.2592, 0.3430 by changing the saturation by 10% instead.





 62.5510, 0.2592,  
0.3430


 62.5510, 0.2592,  
0.3430


433.9381, 0.2844,  
0.3367


 45.4781, 0.2534,  
0.3444


 108.5215, 0.2680,  
0.3408

 31.8342, 0.2461,  
0.3461


 138.1878, 0.2714,  
0.3400

 21.2349, 0.2369,  
0.3482


 172.8208, 0.2743,  
0.3392

 13.2958, 0.2247,  
0.3509

212.8047, 0.2769,  
0.3386

 7.6325, 0.2080,  
0.3544

258.5240, 0.2791,  
0.3380

 3.8607, 0.1838,  
0.3589

310.3631, 0.2810,

 1.5960, 0.1425,

0.3375

368.7063, 0.2828,  
0.3371

0.3661

0.3549, 0.0000,  
0.3565

0.0000, 0.0000,  
0.0000

62.5510, 0.2592,  
0.3430

62.5510, 0.2592,  
0.3430

60.9108, 0.2506,  
0.3467

64.5793, 0.2695,  
0.3394

59.6256, 0.2437,  
0.3506


67.0116, 0.2811,  
0.3360

58.6688, 0.2388,  
0.3545

69.8720, 0.2939,  
0.3329


58.0071, 0.2359,  
0.3584


73.1805, 0.3075,  
0.3300


 57.5997, 0.2347,  
0.3623

 76.9557, 0.3215,  
0.3274

 57.4334, 0.2346,  
0.3647

 80.1806, 0.3320,  
0.3250

 80.3211, 0.3303,  
0.3225

 80.4637, 0.3286,  
0.3200

 80.6083, 0.3269,  
0.3176

# Harmonies

## Analogous

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



62.5510, 0.2920, 0.3795



62.5510, 0.2592, 0.3430



62.5510, 0.2410, 0.3047

# Triad

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



62.5510, 0.2592, 0.3430



62.5510, 0.2899, 0.2679



62.5510, 0.3899, 0.3760

# Complementary

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



62.5510, 0.2592, 0.3430



32.5691, 0.4148, 0.3163

# 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.



62.5510, 0.3902, 0.3452



62.5510, 0.2592, 0.3430



62.5510, 0.3303, 0.2853

# Square

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



62.5510, 0.2592, 0.3430



62.5510, 0.2578, 0.2644



62.5510, 0.3679, 0.3128



62.5510, 0.3679, 0.3971

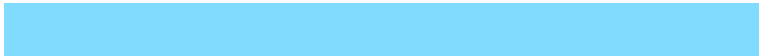


# Rectangle

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



62.5510, 0.2592, 0.3430



62.5510, 0.2387, 0.2845



62.5510, 0.3679, 0.3128



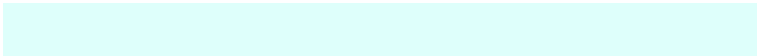
62.5510, 0.3926, 0.3664

# Sweetspot

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



62.5535, 0.2592, 0.3430



94.0089, 0.2948, 0.3327



60.1737, 0.3135, 0.4623



19.9264, 0.2919, 0.3334



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

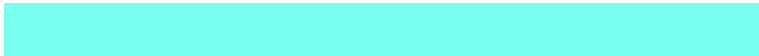


# Same Dimension

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



62.5535, 0.2592, 0.3430



81.7849, 0.2508, 0.3466



45.1145, 0.2452, 0.2786



15.5445, 0.2997, 0.3316



33.4392, 0.2345, 0.3641



2.3255, 0.2328, 0.3581



# Inverse Universe

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



32.5691, 0.4148, 0.3163



36.4061, 0.4513, 0.3141



43.7458, 0.4073, 0.3735



13.7254, 0.3274, 0.3264



9.2738, 0.6260, 0.3222



0.6513, 0.5946, 0.3049



# Previews

## White Background



This preview shows how the Yxy color 62.5510, 0.2592, 0.3430 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

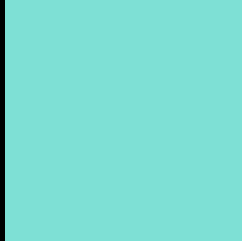
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.5510, 0.2592, 0.3430 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

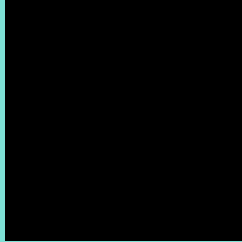
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

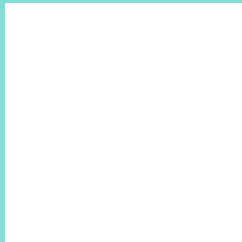
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.5510, 0.2592, 0.3430**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.5510, 0.2592, 0.3430.

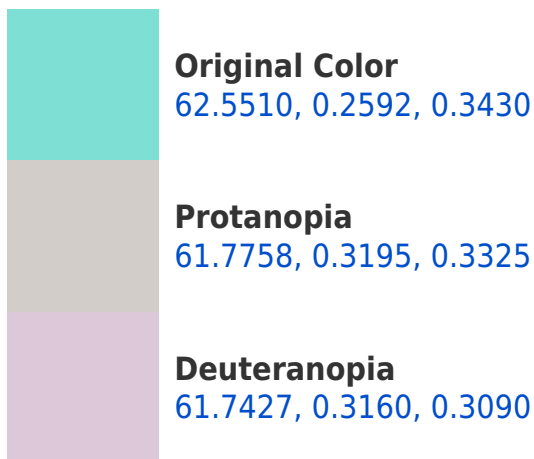


This preview shows how white text looks on a background with the Yxy color 62.5510, 0.2592, 0.3430.

# 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

62.3460, 0.2494, 0.3067

# Trichromacy



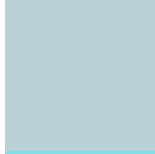
## Original Color

62.5510, 0.2592, 0.3430



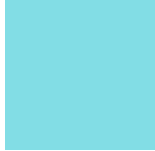
## Protanomaly

61.2465, 0.2938, 0.3362



## Deuteranomaly

60.9979, 0.2914, 0.3206



## Tritanomaly

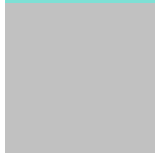
62.1159, 0.2525, 0.3188

# Monochromacy



## Original Color

62.5510, 0.2592, 0.3430



## Achromatopsia

53.3276, 0.3127, 0.3290



## Achromatomaly

55.7909, 0.2896, 0.3340

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.5510, 0.2592, 0.3430 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(126, 224, 213)` looks like.

```
.text, #text, p{  
    color:rgb(126, 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(126, 224, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 224, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 62.5510, 0.2592, 0.3430 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(126, 224, 213) }
```

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

```
.border{ border-color:rgb(126, 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(126, 224, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 224, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 224, 213);  
box-shadow:4px 4px 4px 4px rgb(126, 224,  
213) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.5510, 0.2592, 0.3430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 224, 213) }
```

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

```
.background{ background-color: rgb(126,  
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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