

# Converting Colors

$Yxy(62.8366, 0.2705, 0.3790)$

Have a look what the booklet for  
Yxy(62.8366, 0.2705, 0.3790)  
contains.

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# Color

**Yxy(62.8232, 0.2707, 0.3795)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BE3BD
RGB	123, 227, 189
RGB Percent	48%, 89%, 74%
CMY	0.5180, 0.1097, 0.2588
CMYK	0.46, 0.00, 0.17, 0.11
HSL	158°, 65%, 69%
HSV	158°, 46%, 89%
XYZ	44.8122, 62.8232, 57.9066
YIQ	191.5720, -49.7860, -33.8660

# Conversions

## Conversions Part 2

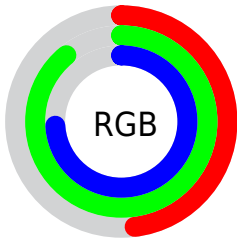
<b>Format</b>	<b>Color</b>
<b>RYB</b>	123, 187, 227
Decimal	8119229
CIELab	83.35, -39.07, 9.25
CIELCh	83, 40.155, 166.678
Yxy	62.8232, 0.2707, 0.3795
Android (android.graphics.Color)	4286309309 (0xFF7BE3BD)
YUV	191.5720, -1.2680, -60.1376
Hunter-Lab	79.2611, -37.7875, 12.1666

# Details

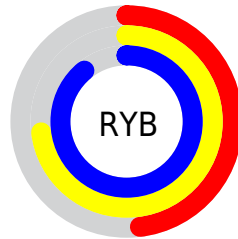
The Yxy color **62.8232, 0.2707, 0.3795** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **33.0469, 0.3898, 0.2851**, and the grayscale version is **52.4674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8159, 0.2749, 0.3398**, and **32.0272, 0.2597, 0.3926** is the 20% darker color. If you saturate the color by 10%, you get **60.9929, 0.2645, 0.3929**, and if you desaturate by 10%, it is **65.0672, 0.2783, 0.3668**.

# Distribution



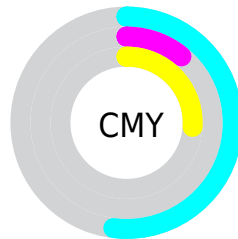
- Red (48%)
- Green (89%)
- Blue (74%)



- Red (48%)
- Yellow (73%)
- Blue (89%)



- Cyan (46%)
- Magenta (0%)
- Yellow (17%)
- Black (11%)




- Cyan (52%)
- Magenta (11%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.8232, 0.2707, 0.3795 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 62.8232, 0.2707, 0.3795 by changing the saturation by 10% instead.



 62.8232, 0.2707,  
0.3795

 62.8232, 0.2707,  
0.3795

434.9276, 0.2910,  
0.3547


 45.6982, 0.2658,  
0.3855


 108.9144, 0.2779,  
0.3706

 32.0077, 0.2597,  
0.3932


 138.6494, 0.2807,  
0.3672

 21.3674, 0.2518,  
0.4033


 173.3565, 0.2830,  
0.3644

 13.3928, 0.2411,  
0.4171

213.4201, 0.2851,  
0.3619

 7.6996, 0.2260,  
0.4371

259.2246, 0.2868,  
0.3597

 3.9033, 0.2030,  
0.4685

311.1544, 0.2884,

 1.6196, 0.1486,

0.3579

369.5940, 0.2898,  
0.3562

0.5341

0.3708, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

62.8232, 0.2707,  
0.3795

62.8232, 0.2707,  
0.3795

60.9929, 0.2645,  
0.3929

65.0672, 0.2783,  
0.3668

59.5411, 0.2601,  
0.4069


67.7423, 0.2870,  
0.3550


58.4392, 0.2576,  
0.4211


70.8738, 0.2966,  
0.3441

57.6511, 0.2572,  
0.4354


74.4831, 0.3067,  
0.3343

 57.1321, 0.2587,  
0.4493

 78.5900, 0.3170,  
0.3255

 56.9648, 0.2597,  
0.4550

 82.4242, 0.3245,  
0.3175

 82.9248, 0.3191,  
0.3095

 83.4276, 0.3140,  
0.3019

# Harmonies

## Analogous

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



62.8232, 0.3187, 0.4145



62.8232, 0.2707, 0.3795



62.8232, 0.2357, 0.3289

# Triad

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



62.8232, 0.2707, 0.3795



62.8232, 0.2555, 0.2482



62.8232, 0.4141, 0.3614

# Complementary

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



62.8232, 0.2707, 0.3795



33.0469, 0.3898, 0.2851

# 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.



62.8232, 0.3951, 0.3211



62.8232, 0.2707, 0.3795



62.8232, 0.3000, 0.2589

# Square

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



62.8232, 0.2707, 0.3795



62.8232, 0.2278, 0.2559



62.8232, 0.3519, 0.2849



62.8232, 0.4031, 0.3977

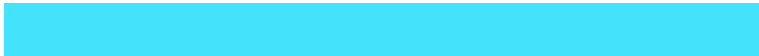


# Rectangle

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



62.8232, 0.2707, 0.3795



62.8232, 0.2234, 0.2972



62.8232, 0.3519, 0.2849



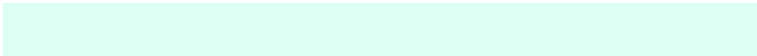
62.8232, 0.4111, 0.3480

# Sweetspot

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



62.8257, 0.2707, 0.3795



93.0352, 0.2983, 0.3423



63.9607, 0.3307, 0.4623



19.7077, 0.2962, 0.3445



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

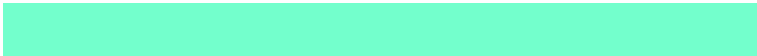


# Same Dimension

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



62.8257, 0.2707, 0.3795



79.4972, 0.2648, 0.3922



57.4079, 0.2484, 0.3110



16.2424, 0.3030, 0.3377



33.2395, 0.2592, 0.4529



2.4740, 0.2535, 0.4326



# Inverse Universe

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



33.0469, 0.3898, 0.2851



36.2164, 0.4151, 0.2772



35.5925, 0.4288, 0.3455



14.4546, 0.3235, 0.3204



9.9080, 0.5512, 0.2810



0.7495, 0.5110, 0.2589



# Previews

## White Background



This preview shows how the Yxy color 62.8232, 0.2707, 0.3795 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

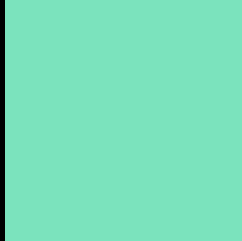
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.8232, 0.2707, 0.3795 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

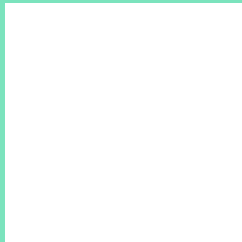
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.8232, 0.2707, 0.3795**

## Background



This preview shows how black text looks on a background with the Yxy color 62.8232, 0.2707, 0.3795.

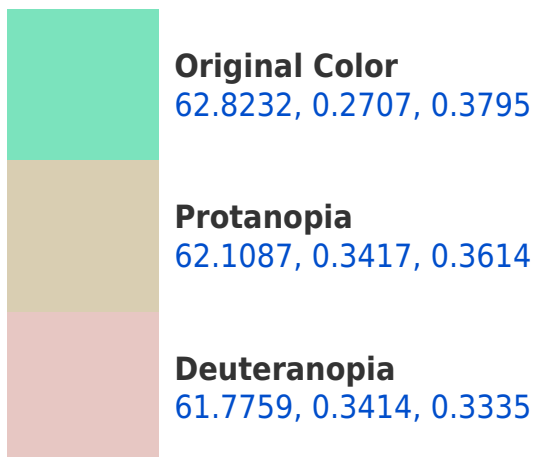


This preview shows how white text looks on a background with the Yxy color 62.8232, 0.2707, 0.3795.

# 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

62.5937, 0.2508, 0.3068

# Trichromacy



## Original Color

62.8232, 0.2707, 0.3795



## Protanomaly

61.5378, 0.3116, 0.3686



## Deuteranomaly

60.6577, 0.3111, 0.3484



## Tritanomaly

62.7680, 0.2579, 0.3326

# Monochromacy



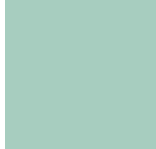
## Original Color

62.8232, 0.2707, 0.3795



## Achromatopsia

52.7115, 0.3127, 0.3290



## Achromatomaly

55.6397, 0.2942, 0.3470

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.8232, 0.2707, 0.3795 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(123, 227, 189)` looks like.

```
.text, #text, p{  
    color:rgb(123, 227, 189)  
}
```

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(123, 227, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 227, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 62.8232, 0.2707, 0.3795 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(123, 227, 189) }
```

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

```
.border{ border-color:rgb(123, 227, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 227, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 227, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 227, 189); box-shadow:4px 4px 4px 4px rgb(123, 227, 189) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.8232, 0.2707, 0.3795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 227, 189) }
```

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

```
.background{ background-color: rgb(123,  
227, 189) }
```

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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