

# Converting Colors

$Yxy(62.4800, 0.2610, 0.3670)$

Have a look what the booklet for  
Yxy(62.4800, 0.2610, 0.3670)  
contains.

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# Color

**Yxy(62.5261, 0.2614, 0.3675)**

# Conversions

## Conversions Part 1

Format	Color
Hex	71E3C6
RGB	113, 227, 198
RGB Percent	44%, 89%, 78%
CMY	0.5567, 0.1098, 0.2236
CMYK	0.50, 0.00, 0.13, 0.11
HSL	165°, 67%, 67%
HSV	165°, 50%, 89%
XYZ	44.4743, 62.5261, 63.1386
YIQ	189.6080, -58.6350, -33.1870

# Conversions

## Conversions Part 2

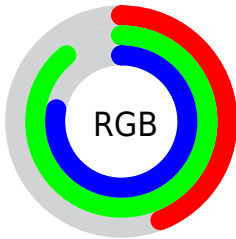
Format	Color
<a href="#">RYB</a>	<a href="#">113, 178, 227</a>
Decimal	<a href="#">7463878</a>
CIELab	<a href="#">83.19, -39.38, 4.24</a>
CIELCh	<a href="#">83, 39.607, 173.851</a>
Yxy	<a href="#">62.5261, 0.2614, 0.3675</a>
Android (android.graphics.Color)	<a href="#">4285653958 (0xFF71E3C6)</a>
YUV	<a href="#">189.6080, 4.1373, -67.1852</a>
Hunter-Lab	<a href="#">79.0734, -37.9824, 8.0095</a>

# Details

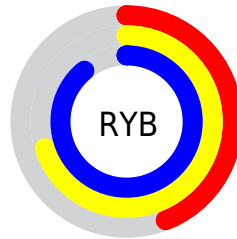
The Yxy color **62.5261, 0.2614, 0.3675** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **30.1064, 0.4174, 0.2958**, and the grayscale version is **51.2631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3979, 0.2657, 0.3289**, and **31.8175, 0.2485, 0.3781** is the 20% darker color. If you saturate the color by 10%, you get **60.9442, 0.2550, 0.3767**, and if you desaturate by 10%, it is **64.4997, 0.2694, 0.3587**.

# Distribution



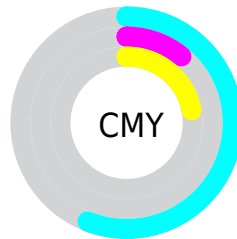
- Red (44%)
- Green (89%)
- Blue (78%)



- Red (44%)
- Yellow (70%)
- Blue (89%)



- Cyan (50%)
- Magenta (0%)
- Yellow (13%)
- Black (11%)




- Cyan (56%)
- Magenta (11%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.5261, 0.2614, 0.3675 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 62.5261, 0.2614, 0.3675 by changing the saturation by 10% instead.




 62.5261, 0.2614,  
0.3675


 62.5261, 0.2614,  
0.3675


433.8476, 0.2859,  
0.3489

 45.4579, 0.2556,  
0.3720


 108.4855, 0.2700,  
0.3609

 31.8183, 0.2484,  
0.3776


 138.1456, 0.2733,  
0.3584

 21.2227, 0.2392,  
0.3849


 172.7717, 0.2762,  
0.3562

 13.2869, 0.2269,  
0.3947

212.7484, 0.2786,  
0.3543

 7.6264, 0.2097,  
0.4087

258.4599, 0.2808,  
0.3527

 3.8568, 0.1844,  
0.4301

310.2906, 0.2827,

 1.5938, 0.1273,

0.3513

0.4753

368.6251, 0.2844,  
0.3500

0.3534, 0.0000,  
0.8002

0.0000, 0.0000,  
0.0000

62.5261, 0.2614,  
0.3675

62.5261, 0.2614,  
0.3675

60.9442, 0.2550,  
0.3767

64.4997, 0.2694,  
0.3587

59.7178, 0.2505,  
0.3862


66.8833, 0.2789,  
0.3504


58.8165, 0.2480,  
0.3958

69.7028, 0.2894,  
0.3426

58.2014, 0.2475,  
0.4054


72.9801, 0.3007,  
0.3356


 57.8103, 0.2485,  
0.4146

 76.7353, 0.3125,  
0.3291

 80.9876, 0.3245,  
0.3234

 82.3978, 0.3247,  
0.3178

 82.7439, 0.3209,  
0.3122

 83.1010, 0.3172,  
0.3066

# Harmonies

## Analogous

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



62.5261, 0.3068, 0.4076



62.5261, 0.2614, 0.3675



62.5261, 0.2311, 0.3172

# Triad

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



62.5261, 0.2614, 0.3675



62.5261, 0.2654, 0.2501



62.5261, 0.4129, 0.3704

# Complementary

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



62.5261, 0.2614, 0.3675



30.1064, 0.4174, 0.2958

# 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.



62.5261, 0.4012, 0.3307



62.5261, 0.2614, 0.3675



62.5261, 0.3123, 0.2646

# Square

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



62.5261, 0.2614, 0.3675



62.5261, 0.2335, 0.2532



62.5261, 0.3631, 0.2933



62.5261, 0.3955, 0.4039



# Rectangle

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



62.5261, 0.2614, 0.3675



62.5261, 0.2224, 0.2879



62.5261, 0.3631, 0.2933



62.5261, 0.4124, 0.3574

# Sweetspot

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



62.5286, 0.2614, 0.3675



92.8419, 0.2951, 0.3389



62.0102, 0.3238, 0.4797



19.6809, 0.2927, 0.3405



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.



62.5286, 0.2614, 0.3675



79.3046, 0.2549, 0.3769



50.5591, 0.2405, 0.2935



16.2704, 0.3015, 0.3351



33.7348, 0.2481, 0.4132



2.5077, 0.2443, 0.3993



# Inverse Universe

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



30.1064, 0.4174, 0.2958



32.6847, 0.4523, 0.2911



36.1740, 0.4378, 0.3601



14.4279, 0.3253, 0.3230



9.7172, 0.5909, 0.3029

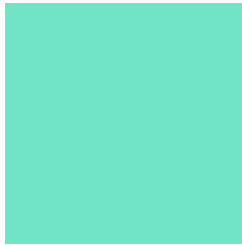


0.7328, 0.5495, 0.2801



# Previews

## White Background



This preview shows how the Yxy color 62.5261, 0.2614, 0.3675 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

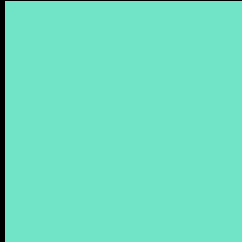
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.5261, 0.2614, 0.3675 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

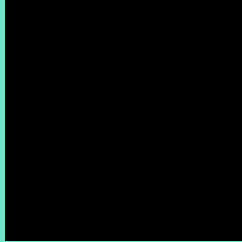
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

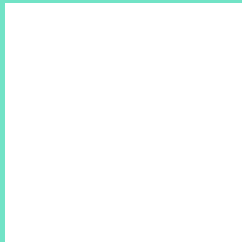
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.5261, 0.2614, 0.3675**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.5261, 0.2614, 0.3675.

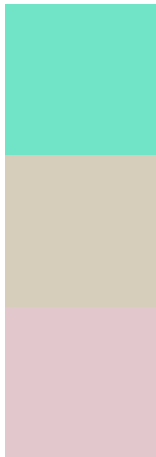


This preview shows how white text looks on a background with the Yxy color 62.5261, 0.2614, 0.3675.

# 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

62.5261, 0.2614, 0.3675

### Protanopia

61.5040, 0.3335, 0.3511

### Deuteranopia

61.3752, 0.3304, 0.3235



## Tritanopia

62.3805, 0.2459, 0.3066

# Trichromacy



## Original Color

62.5261, 0.2614, 0.3675



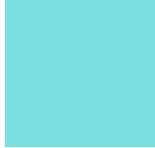
## Protanomaly

60.6533, 0.3020, 0.3576



## Deuteranomaly

60.1795, 0.2998, 0.3375



## Tritanomaly

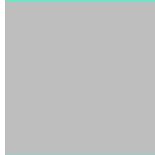
62.2221, 0.2512, 0.3275

# Monochromacy



## Original Color

62.5261, 0.2614, 0.3675



## Achromatopsia

51.4918, 0.3127, 0.3290



## Achromatomaly

54.2435, 0.2892, 0.3420

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.5261, 0.2614, 0.3675 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(113, 227, 198)` looks like.

```
.text, #text, p{  
    color:rgb(113, 227, 198)  
}
```

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(113, 227, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 227, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 62.5261, 0.2614, 0.3675 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(113, 227, 198) }
```

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

```
.border{ border-color:rgb(113, 227, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 227, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 227, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 227, 198);  
box-shadow:4px 4px 4px 4px rgb(113, 227,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.5261, 0.2614, 0.3675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 227, 198) }
```

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

```
.background{ background-color: rgb(113,  
227, 198) }
```

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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