

# Converting Colors

$Yxy(62.0588, 0.2788, 0.3274)$

Have a look what the booklet for  
Yxy(62.0588, 0.2788, 0.3274)  
contains.

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# Color

**Yxy(61.8261, 0.2786, 0.3265)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A7D7D9
RGB	167, 215, 217
RGB Percent	65%, 84%, 85%
CMY	0.3451, 0.1568, 0.1491
CMYK	0.23, 0.01, 0.00, 0.15
HSL	182°, 40%, 75%
HSV	182°, 23%, 85%
XYZ	52.7557, 61.8261, 74.7783
YIQ	200.8760, -29.2500, -9.5540

# Conversions

## Conversions Part 2

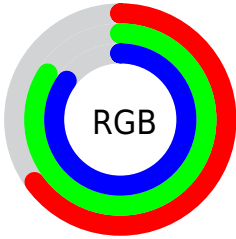
<b>Format</b>	<b>Color</b>
<b>RYB</b>	167, 191, 217
Decimal	10999769
CIELab	82.82, -15.04, -6.07
CIElCh	83, 16.222, 201.992
Yxy	61.8261, 0.2786, 0.3265
Android (android.graphics.Color)	4289189849 (0xFFA7D7D9)
YUV	200.8760, 7.9491, -29.7093
Hunter-Lab	78.6296, -17.8389, -1.3453

# Details

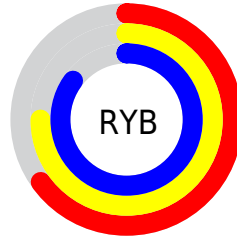
The Yxy color **61.8261, 0.2786, 0.3265** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.8939, 0.3594, 0.3315**, and the grayscale version is **58.2901, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **31.3277, 0.2706, 0.3256** is the 20% darker color. If you saturate the color by 10%, you get **59.2282, 0.2655, 0.3253**, and if you desaturate by 10%, it is **64.8277, 0.2929, 0.3276**.

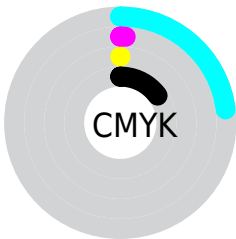
# Distribution



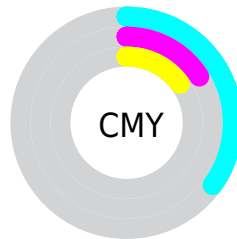
- Red (65%)
- Green (84%)
- Blue (85%)



- Red (65%)
- Yellow (75%)
- Blue (85%)



- Cyan (23%)
- Magenta (1%)
- Yellow (0%)
- Black (15%)




- Cyan (35%)
- Magenta (16%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.8261, 0.2786, 0.3265 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 61.8261, 0.2786, 0.3265 by changing the saturation by 10% instead.




 61.8261, 0.2786,  
0.3265


 61.8261, 0.2786,  
0.3265


431.2965, 0.2947,  
0.3279

 44.8922, 0.2748,  
0.3261


 107.4742, 0.2842,  
0.3270

 31.3725, 0.2702,  
0.3256


 136.9571, 0.2864,  
0.3272

 20.8827, 0.2642,  
0.3249


171.3919, 0.2883,  
0.3274

 13.0383, 0.2562,  
0.3239

211.1628, 0.2899,  
0.3275

 7.4549, 0.2452,  
0.3223

256.6543, 0.2913,  
0.3276

 3.7482, 0.2290,  
0.3195

308.2509, 0.2926,

 1.5337, 0.2027,

0.3277

0.3140

366.3368, 0.2937,  
0.3278

0.3123, 0.0000,  
0.2900

0.0000, 0.0000,  
0.0000

61.8261, 0.2786,  
0.3265

61.8261, 0.2786,  
0.3265

59.2282, 0.2655,  
0.3253

64.8277, 0.2929,  
0.3276

57.0066, 0.2538,  
0.3240

68.2440, 0.3080,  
0.3287

55.1425, 0.2437,  
0.3227

72.0945, 0.3237,  
0.3297

53.6122, 0.2355,  
0.3214

76.3956, 0.3396,  
0.3305

■ 52.3893, 0.2293,  
0.3201

■ 77.0707, 0.3404,  
0.3314

■ 51.4431, 0.2249,  
0.3188

■ 77.5168, 0.3403,  
0.3323

■ 50.7368, 0.2223,  
0.3175

■ 77.9651, 0.3401,  
0.3331

■ 50.3439, 0.2213,  
0.3166

■ 78.4157, 0.3400,  
0.3340

■ 78.8686, 0.3399,  
0.3348

# Harmonies

## Analogous

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



61.8261, 0.2928, 0.3457



61.8261, 0.2786, 0.3265



61.8261, 0.2734, 0.3088

# Triad

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



61.8261, 0.2786, 0.3265



61.8261, 0.3119, 0.3003



61.8261, 0.3480, 0.3604

# Complementary

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



61.8261, 0.2786, 0.3265



45.8939, 0.3594, 0.3315

# 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.



61.8261, 0.3537, 0.3471



61.8261, 0.2786, 0.3265



61.8261, 0.3324, 0.3130

# Square

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



61.8261, 0.2786, 0.3265



61.8261, 0.2921, 0.2945



61.8261, 0.3480, 0.3299



61.8261, 0.3328, 0.3656



# Rectangle

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



61.8261, 0.2786, 0.3265



61.8261, 0.2755, 0.3003



61.8261, 0.3480, 0.3299



61.8261, 0.3511, 0.3567

# Sweetspot

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



61.8286, 0.2786, 0.3265



96.3243, 0.3018, 0.3283



60.6768, 0.3086, 0.3912



20.5526, 0.3009, 0.3282



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.



61.8286, 0.2786, 0.3265



87.1066, 0.2716, 0.3259



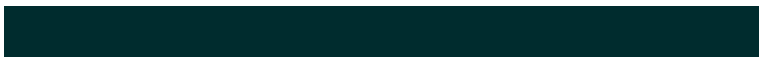
50.1853, 0.2762, 0.2953



14.7374, 0.2982, 0.3280



30.5225, 0.2213, 0.3168



2.0052, 0.2219, 0.3189



# Inverse Universe

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



47.2872, 0.3170, 0.2741



62.4159, 0.3181, 0.2616



55.9630, 0.3530, 0.3605



13.2656, 0.3144, 0.3069



11.7050, 0.3309, 0.1597



0.7611, 0.3292, 0.1587



# Previews

## White Background



This preview shows how the Yxy color 61.8261, 0.2786, 0.3265 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

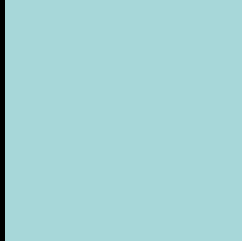
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.8261, 0.2786, 0.3265 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

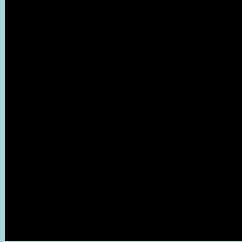
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

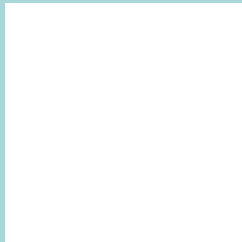
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.8261, 0.2786, 0.3265**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.8261, 0.2786, 0.3265.

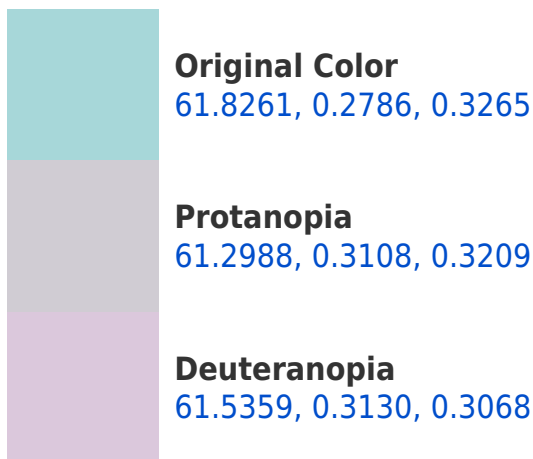


This preview shows how white text looks on a background with the Yxy color 61.8261, 0.2786, 0.3265.

# 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

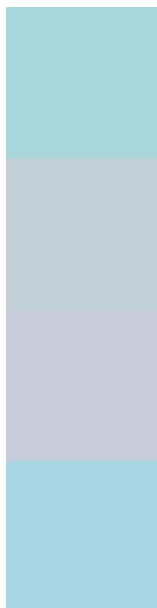




## Tritanopia

61.8477, 0.2727, 0.3086

# Trichromacy



## Original Color

61.8261, 0.2786, 0.3265

## Protanomaly

61.2533, 0.2983, 0.3231

## Deuteranomaly

61.0565, 0.2993, 0.3128

## Tritanomaly

61.9644, 0.2751, 0.3156

# Monochromacy



## Original Color

61.8261, 0.2786, 0.3265

## Achromatopsia

58.4078, 0.3127, 0.3290

## Achromatomaly

59.4664, 0.2994, 0.3278

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.8261, 0.2786, 0.3265 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(167, 215, 217)` looks like.

```
.text, #text, p{  
    color:rgb(167, 215, 217)  
}
```

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(167, 215, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 215, 217) }
```

## Border

The CSS property to change the border of an element to Yxy 61.8261, 0.2786, 0.3265 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(167, 215, 217) }
```

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

```
.border{ border-color:rgb(167, 215, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 215, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 215, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 215, 217);  
box-shadow:4px 4px 4px 4px rgb(167, 215,  
217) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.8261, 0.2786, 0.3265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 215, 217) }
```

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

```
.background{ background-color: rgb(167,  
215, 217) }
```

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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