

# Converting Colors

$Yxy(61.8842, 0.2781, 0.3445)$

Have a look what the booklet for  
Yxy(61.8842, 0.2781, 0.3445)  
contains.

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# Color

**Yxy(62.0878, 0.2780, 0.3453)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BDBCE
RGB	155, 219, 206
RGB Percent	61%, 86%, 81%
CMY	0.3922, 0.1411, 0.1922
CMYK	0.29, 0.00, 0.06, 0.14
HSL	168°, 47%, 73%
HSV	168°, 29%, 86%
XYZ	49.9867, 62.0878, 67.7338
YIQ	198.3820, -33.9710, -17.6110

# Conversions

## Conversions Part 2

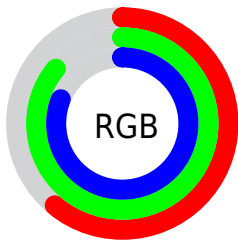
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 191, 219
Decimal	10214350
CIELab	82.96, -22.96, -0.11
CIElCh	83, 22.961, 180.274
Yxy	62.0878, 0.2780, 0.3453
Android (android.graphics.Color)	4288404430 (0xFF9BDBCE)
YUV	198.3820, 3.7557, -38.0460
Hunter-Lab	78.7958, -24.6554, 4.1907

# Details

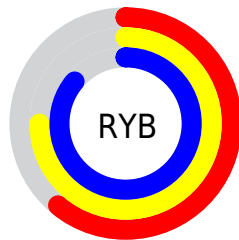
The Yxy color **62.0878, 0.2780, 0.3453** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.3284, 0.3641, 0.3135**, and the grayscale version is **56.7082, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **31.5846, 0.2689, 0.3493** is the 20% darker color. If you saturate the color by 10%, you get **59.9031, 0.2680, 0.3518**, and if you desaturate by 10%, it is **64.6766, 0.2892, 0.3393**.

# Distribution



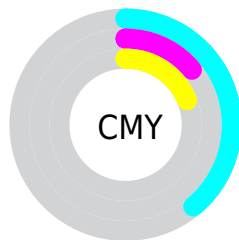
- Red (61%)
- Green (86%)
- Blue (81%)



- Red (61%)
- Yellow (75%)
- Blue (86%)



- Cyan (29%)
- Magenta (0%)
- Yellow (6%)
- Black (14%)




- Cyan (39%)
- Magenta (14%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.0878, 0.2780, 0.3453 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 62.0878, 0.2780, 0.3453 by changing the saturation by 10% instead.




 62.0878, 0.2780,  
0.3453

 62.0878, 0.2780,  
0.3453

432.2513, 0.2945,  
0.3376

 45.1036, 0.2741,  
0.3471


 107.8524, 0.2838,  
0.3426

 31.5391, 0.2693,  
0.3494


 137.4017, 0.2860,  
0.3415

 21.0097, 0.2631,  
0.3523


171.9081, 0.2879,  
0.3406

 13.1311, 0.2548,  
0.3562

211.7560, 0.2896,  
0.3399

 7.5189, 0.2432,  
0.3616

257.3299, 0.2911,  
0.3392

 3.7887, 0.2260,  
0.3696

309.0142, 0.2923,

 1.5561, 0.1976,

0.3386

367.1932, 0.2935,  
0.3381

0.3828

0.3277, 0.0000,  
0.4734

0.0000, 0.0000,  
0.0000

62.0878, 0.2780,  
0.3453

62.0878, 0.2780,  
0.3453

59.9031, 0.2680,  
0.3518

64.6766, 0.2892,  
0.3393

58.0937, 0.2593,  
0.3587


67.6817, 0.3012,  
0.3337


56.6388, 0.2523,  
0.3659


71.1240, 0.3137,  
0.3286


55.5123, 0.2472,  
0.3732

75.0207, 0.3265,  
0.3241


 54.6849, 0.2441,  
0.3807


 77.5428, 0.3325,  
0.3198


 54.1216, 0.2429,  
0.3881

 77.7938, 0.3294,  
0.3154

 53.7656, 0.2433,  
0.3955

 78.0511, 0.3263,  
0.3110

 53.7413, 0.2434,  
0.3961

 78.3150, 0.3233,  
0.3067

 78.5854, 0.3203,  
0.3024

# Harmonies

## Analogous

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



62.0878, 0.3040, 0.3692



62.0878, 0.2780, 0.3453



62.0878, 0.2616, 0.3175

# Triad

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



62.0878, 0.2780, 0.3453



62.0878, 0.2906, 0.2821



62.0878, 0.3702, 0.3599

# Complementary

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



62.0878, 0.2780, 0.3453



41.3284, 0.3641, 0.3135

# 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.



62.0878, 0.3666, 0.3366



62.0878, 0.2780, 0.3453



62.0878, 0.3195, 0.2931

# Square

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



62.0878, 0.2780, 0.3453



62.0878, 0.2686, 0.2824



62.0878, 0.3477, 0.3126



62.0878, 0.3576, 0.3766



# Rectangle

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



62.0878, 0.2780, 0.3453



62.0878, 0.2578, 0.3013



62.0878, 0.3477, 0.3126



62.0878, 0.3709, 0.3525

# Sweetspot

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



62.0903, 0.2780, 0.3453



95.6072, 0.3013, 0.3336



61.4529, 0.3185, 0.4113



20.3222, 0.2995, 0.3344



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

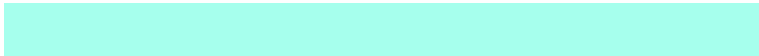


# Same Dimension

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



62.0903, 0.2780, 0.3453



85.7056, 0.2718, 0.3492



53.7950, 0.2681, 0.3059



14.7818, 0.3009, 0.3338



31.8797, 0.2431, 0.3950



2.0770, 0.2397, 0.3829



# Inverse Universe

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



41.3284, 0.3641, 0.3135



51.8982, 0.3793, 0.3101



47.3641, 0.3712, 0.3509



13.0946, 0.3260, 0.3243



9.0528, 0.6056, 0.3110



0.5990, 0.5603, 0.2860



# Previews

## White Background



This preview shows how the Yxy color 62.0878, 0.2780, 0.3453 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

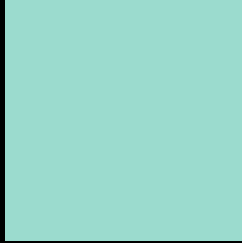
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.0878, 0.2780, 0.3453 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

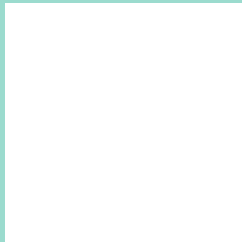
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.0878, 0.2780, 0.3453**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.0878, 0.2780, 0.3453.

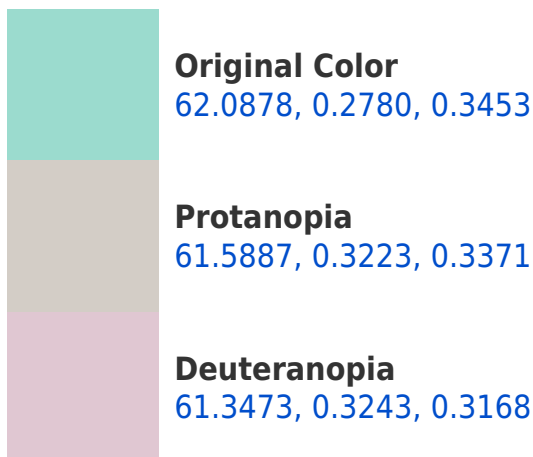


This preview shows how white text looks on a background with the Yxy color 62.0878, 0.2780, 0.3453.

# 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

62.0041, 0.2664, 0.3084

# Trichromacy



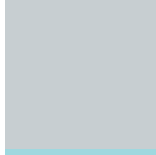
## Original Color

62.0878, 0.2780, 0.3453



## Protanomaly

61.3866, 0.3048, 0.3398



## Deuteranomaly

60.8882, 0.3054, 0.3255



## Tritanomaly

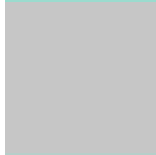
61.8104, 0.2704, 0.3203

# Monochromacy



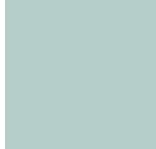
## Original Color

62.0878, 0.2780, 0.3453



## Achromatopsia

56.4712, 0.3127, 0.3290



## Achromatomaly

58.3047, 0.2983, 0.3351

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.0878, 0.2780, 0.3453 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(155, 219, 206)` looks like.

```
.text, #text, p{  
    color:rgb(155, 219, 206)  
}
```

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(155, 219, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 219, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 62.0878, 0.2780, 0.3453 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(155, 219, 206) }
```

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

```
.border{ border-color:rgb(155, 219, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 219, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 219, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 219, 206);  
box-shadow:4px 4px 4px 4px rgb(155, 219,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.0878, 0.2780, 0.3453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 219, 206) }
```

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

```
.background{ background-color: rgb(155,  
219, 206) }
```

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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