

# Converting Colors

$Yxy(62.3157, 0.2896, 0.3327)$

Have a look what the booklet for  
Yxy(62.3157, 0.2896, 0.3327)  
contains.

<b>Yxy(62.2613, 0.2893, 0.3326)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(62.2613, 0.2893, 0.3326)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2D6D3
RGB	178, 214, 211
RGB Percent	70%, 84%, 83%
CMY	0.3021, 0.1607, 0.1726
CMYK	0.17, 0.00, 0.01, 0.16
HSL	175°, 31%, 77%
HSV	175°, 17%, 84%
XYZ	54.1557, 62.2613, 70.7787
YIQ	202.8940, -20.4930, -8.5650

# Conversions

## Conversions Part 2

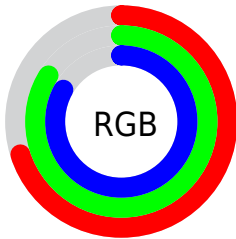
<b>Format</b>	<b>Color</b>
<b>RYB</b>	178, 197, 214
Decimal	11720403
CIELab	83.05, -12.44, -2.47
CIELCh	83, 12.679, 191.243
Yxy	62.2613, 0.2893, 0.3326
Android (android.graphics.Color)	4289910483 (0xFFB2D6D3)
YUV	202.8940, 3.9963, -21.8320
Hunter-Lab	78.9058, -15.5746, 2.0508

# Details

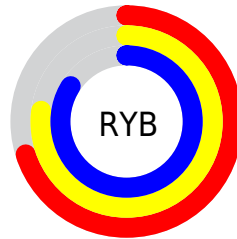
The Yxy color **62.2613, 0.2893, 0.3326** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.4600, 0.3421, 0.3255**, and the grayscale version is **59.6317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **31.5906, 0.2833, 0.3322** is the 20% darker color. If you saturate the color by 10%, you get **59.8376, 0.2766, 0.3350**, and if you desaturate by 10%, it is **65.0861, 0.3030, 0.3304**.

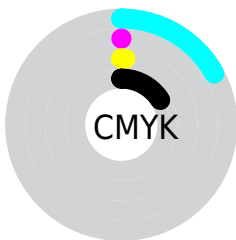
# Distribution



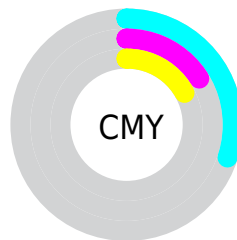
- Red (70%)
- Green (84%)
- Blue (83%)



- Red (70%)
- Yellow (77%)
- Blue (84%)



- Cyan (17%)
- Magenta (0%)
- Yellow (1%)
- Black (16%)




- Cyan (30%)
- Magenta (16%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.2613, 0.2893, 0.3326 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 62.2613, 0.2893, 0.3326 by changing the saturation by 10% instead.




 62.2613, 0.2893,  
0.3326

 62.2613, 0.2893,  
0.3326

432.8836, 0.3004,  
0.3310

 45.2439, 0.2867,  
0.3330


 108.1031, 0.2932,  
0.3320

 31.6496, 0.2835,  
0.3334


137.6962, 0.2947,  
0.3318

 21.0940, 0.2793,  
0.3340


172.2501, 0.2960,  
0.3316

 13.1927, 0.2737,  
0.3347

212.1490, 0.2971,  
0.3315

 7.5614, 0.2660,  
0.3356

257.7775, 0.2981,  
0.3313

 3.8156, 0.2544,  
0.3369

309.5198, 0.2989,

 1.5709, 0.2352,

0.3312

0.3387

367.7603, 0.2997,  
0.3311

0.3379, 0.0196,  
0.3770

0.0000, 0.0000,  
0.0000

62.2613, 0.2893,  
0.3326

62.2613, 0.2893,  
0.3326

59.8376, 0.2766,  
0.3350

65.0861, 0.3030,  
0.3304

57.7889, 0.2650,  
0.3375

68.3214, 0.3173,  
0.3284

56.0982, 0.2550,  
0.3402

71.9857, 0.3320,  
0.3266

54.7439, 0.2467,  
0.3430

74.4329, 0.3403,  
0.3249

■ 53.7023, 0.2403,  
0.3459

■ 74.5278, 0.3390,  
0.3231

■ 52.9464, 0.2357,  
0.3487

■ 74.6237, 0.3377,  
0.3212

■ 52.4448, 0.2331,  
0.3516

■ 74.7206, 0.3364,  
0.3194

■ 52.1566, 0.2322,  
0.3544

■ 74.8186, 0.3351,  
0.3176

■ 52.0871, 0.2320,  
0.3553

■ 74.9177, 0.3338,  
0.3158

# Harmonies

## Analogous

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



62.2613, 0.3024, 0.3466



62.2613, 0.2893, 0.3326



62.2613, 0.2824, 0.3180

# Triad

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



62.2613, 0.2893, 0.3326



62.2613, 0.3063, 0.3040



62.2613, 0.3428, 0.3505

# Complementary

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



62.2613, 0.2893, 0.3326



49.4600, 0.3421, 0.3255

# 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.



62.2613, 0.3440, 0.3387



62.2613, 0.2893, 0.3326



62.2613, 0.3226, 0.3123

# Square

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



62.2613, 0.2893, 0.3326



62.2613, 0.2920, 0.3020



62.2613, 0.3365, 0.3249



62.2613, 0.3334, 0.3569



# Rectangle

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



62.2613, 0.2893, 0.3326



62.2613, 0.2822, 0.3100



62.2613, 0.3365, 0.3249



62.2613, 0.3442, 0.3470

# Sweetspot

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



62.2639, 0.2893, 0.3326



97.5926, 0.3055, 0.3300



61.2064, 0.3132, 0.3739



20.8191, 0.3045, 0.3302



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.



62.2639, 0.2893, 0.3326



91.3041, 0.2849, 0.3334



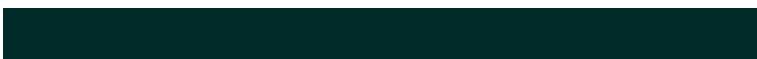
55.4371, 0.2866, 0.3112



14.0890, 0.2994, 0.3309



31.4856, 0.2319, 0.3549



1.9045, 0.2306, 0.3500



# Inverse Universe

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



49.4600, 0.3421, 0.3255



69.0141, 0.3494, 0.3247



55.3792, 0.3419, 0.3461



12.4376, 0.3278, 0.3271



8.6738, 0.6301, 0.3245



0.5292, 0.6020, 0.3090



# Previews

## White Background



This preview shows how the Yxy color 62.2613, 0.2893, 0.3326 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

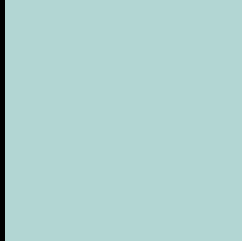
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.2613, 0.2893, 0.3326 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

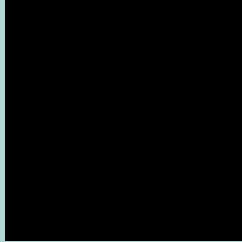
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

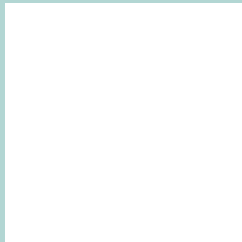
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.2613, 0.2893, 0.3326**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.2613, 0.2893, 0.3326.

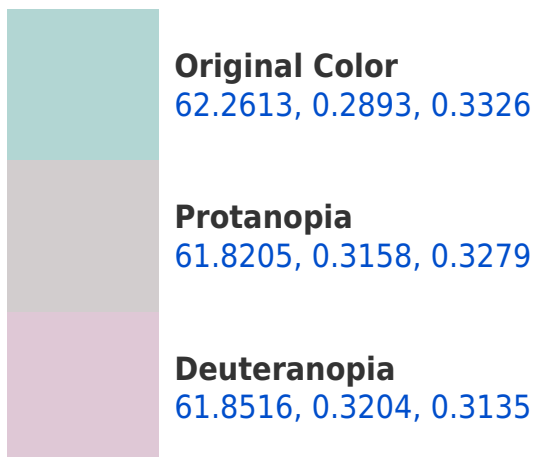


This preview shows how white text looks on a background with the Yxy color 62.2613, 0.2893, 0.3326.

# 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

62.0137, 0.2807, 0.3089

# Trichromacy



## Original Color

62.2613, 0.2893, 0.3326

## Protanomaly

61.6716, 0.3053, 0.3290

## Deuteranomaly

61.7321, 0.3086, 0.3198

## Tritanomaly

62.0642, 0.2837, 0.3170

# Monochromacy



## Original Color

62.2613, 0.2893, 0.3326

## Achromatopsia

59.7202, 0.3127, 0.3290

## Achromatomaly

60.5512, 0.3037, 0.3302

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  62.2613, 0.2893, 0.3326 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(178, 214, 211)` looks like.

```
.text, #text, p{  
    color:rgb(178, 214, 211)  
}
```

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(178, 214, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 214, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 62.2613, 0.2893, 0.3326 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(178, 214, 211) }
```

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

```
.border{ border-color:rgb(178, 214, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 214, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 214, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 214, 211);  
box-shadow:4px 4px 4px 4px rgb(178, 214,  
211) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.2613, 0.2893, 0.3326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 214, 211) }
```

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

```
.background{ background-color: rgb(178,  
214, 211) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor