

# Converting Colors

$Yxy(62.1629, 0.2759, 0.3148)$

Have a look what the booklet for  
Yxy(62.1629, 0.2759, 0.3148)  
contains.

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# Color

**Yxy(62.2420, 0.2757, 0.3145)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ABD6E2
RGB	171, 214, 226
RGB Percent	67%, 84%, 89%
CMY	0.3296, 0.1607, 0.1136
CMYK	0.24, 0.05, 0.00, 0.11
HSL	193°, 49%, 78%
HSV	193°, 24%, 89%
XYZ	54.5632, 62.2420, 81.1026
YIQ	202.5110, -29.4800, -5.3840

# Conversions

## Conversions Part 2

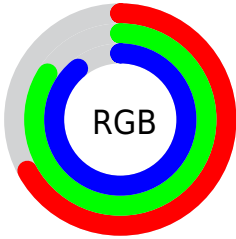
<b>Format</b>	<b>Color</b>
<b>RYB</b>	171, 195, 226
Decimal	11261666
CIELab	83.04, -11.35, -10.53
CIELCh	83, 15.488, 222.853
Yxy	62.2420, 0.2757, 0.3145
Android (android.graphics.Color)	4289451746 (0xFFABD6E2)
YUV	202.5110, 11.5801, -27.6351
Hunter-Lab	78.8936, -14.6124, -5.7246

# Details

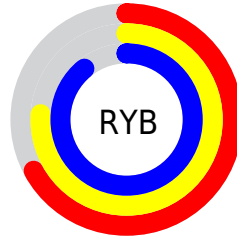
The Yxy color **62.2420, 0.2757, 0.3145** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.9627, 0.3604, 0.3430**, and the grayscale version is **59.3355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **31.5185, 0.2661, 0.3096** is the 20% darker color. If you saturate the color by 10%, you get **57.4631, 0.2614, 0.3077**, and if you desaturate by 10%, it is **67.5354, 0.2907, 0.3208**.

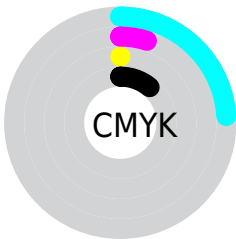
# Distribution



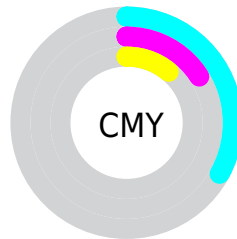
- Red (67%)
- Green (84%)
- Blue (89%)



- Red (67%)
- Yellow (76%)
- Blue (89%)



- Cyan (24%)
- Magenta (5%)
- Yellow (0%)
- Black (11%)



- Cyan (33%)
- Magenta (16%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.2420, 0.2757, 0.3145 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 62.2420, 0.2757, 0.3145 by changing the saturation by 10% instead.



■ 62.2420, 0.2757,  
0.3145

■ 62.2420, 0.2757,  
0.3145

432.8133, 0.2931,  
0.3216

■ 45.2283, 0.2717,  
0.3128

■ 108.0752, 0.2818,  
0.3171

■ 31.6373, 0.2666,  
0.3106

137.6635, 0.2841,  
0.3180

■ 21.0846, 0.2602,  
0.3077

172.2121, 0.2862,  
0.3189

■ 13.1858, 0.2518,  
0.3038

212.1053, 0.2879,  
0.3196

■ 7.5566, 0.2401,  
0.2982

257.7277, 0.2895,  
0.3202

■ 3.8126, 0.2231,  
0.2894

309.4635, 0.2908,

■ 1.5693, 0.1960,

0.3207

0.2743

367.6973, 0.2920,  
0.3212

0.3368, 0.0288,  
0.2261

0.0000, 0.0000,  
0.0000

62.2420, 0.2757,  
0.3145

62.2420, 0.2757,  
0.3145

57.4631, 0.2614,  
0.3077

67.5354, 0.2907,  
0.3208

53.1684, 0.2482,  
0.3004

73.3568, 0.3060,  
0.3266

49.3356, 0.2362,  
0.2927

79.7286, 0.3214,  
0.3319

45.9377, 0.2259,  
0.2848

85.4424, 0.3322,  
0.3367

■ 42.9442, 0.2175,  
0.2768

■ 88.2836, 0.3317,  
0.3415

■ 40.3197, 0.2110,  
0.2687

■ 91.2035, 0.3311,  
0.3463

■ 38.0214, 0.2065,  
0.2607

■ 94.2027, 0.3305,  
0.3510

■ 36.8309, 0.2045,  
0.2562

■ 97.2818, 0.3299,  
0.3557

■ 98.2721, 0.3297,  
0.3572

# Harmonies

## Analogous

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



62.2420, 0.2835, 0.3323



62.2420, 0.2757, 0.3145



62.2420, 0.2774, 0.3014

# Triad

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



62.2420, 0.2757, 0.3145



62.2420, 0.3258, 0.3095



62.2420, 0.3370, 0.3633

# Complementary

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



62.2420, 0.2757, 0.3145



52.9627, 0.3604, 0.3430

# 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.



62.2420, 0.3491, 0.3558



62.2420, 0.2757, 0.3145



62.2420, 0.3426, 0.3248

# Square

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



62.2420, 0.2757, 0.3145



62.2420, 0.3059, 0.2991



62.2420, 0.3512, 0.3415



62.2420, 0.3186, 0.3613



# Rectangle

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



62.2420, 0.2757, 0.3145



62.2420, 0.2837, 0.2969



62.2420, 0.3512, 0.3415



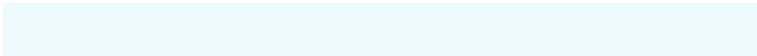
62.2420, 0.3420, 0.3618

# Sweetspot

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



62.2445, 0.2757, 0.3145



94.3119, 0.3018, 0.3251



66.4706, 0.3022, 0.3825



20.0852, 0.3009, 0.3248



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

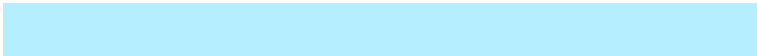


# Same Dimension

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



62.2445, 0.2757, 0.3145



78.7092, 0.2687, 0.3113



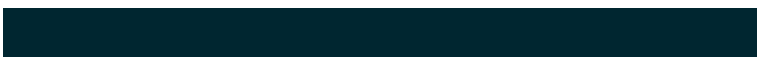
49.4985, 0.2728, 0.2802



15.0386, 0.2982, 0.3238



21.1898, 0.2049, 0.2575



1.5960, 0.2083, 0.2697



# Inverse Universe

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



50.1371, 0.3254, 0.2810



60.5526, 0.3285, 0.2712



65.4106, 0.3532, 0.3735



13.8818, 0.3171, 0.3109



11.0472, 0.3849, 0.1894

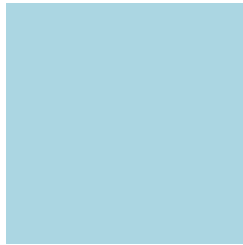


0.7786, 0.3731, 0.1829



# Previews

## White Background



This preview shows how the Yxy color 62.2420, 0.2757, 0.3145 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

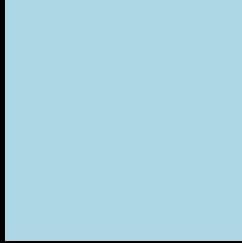
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.2420, 0.2757, 0.3145 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

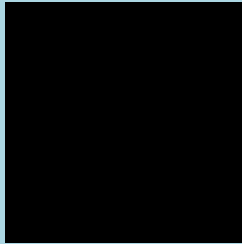
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

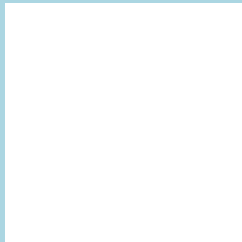
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.2420, 0.2757, 0.3145**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.2420, 0.2757, 0.3145.

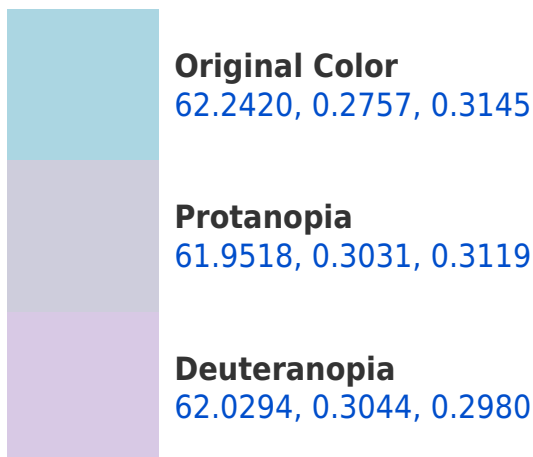


This preview shows how white text looks on a background with the Yxy color 62.2420, 0.2757, 0.3145.

# 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

62.0723, 0.2739, 0.3087

# Trichromacy



## Original Color

62.2420, 0.2757, 0.3145

## Protanomaly

61.7231, 0.2924, 0.3126

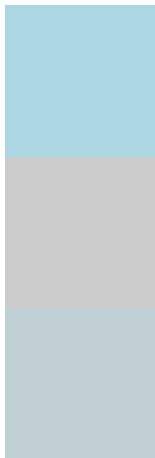
## Deuteranomaly

62.0234, 0.2934, 0.3038

## Tritanomaly

62.0163, 0.2745, 0.3098

# Monochromacy



## Original Color

62.2420, 0.2757, 0.3145

## Achromatopsia

59.7202, 0.3127, 0.3290

## Achromatomaly

60.4052, 0.2982, 0.3242

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  62.2420, 0.2757, 0.3145 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(171, 214, 226)` looks like.

```
.text, #text, p{  
    color:rgb(171, 214, 226)  
}
```

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(171, 214, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 214, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 62.2420, 0.2757, 0.3145 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(171, 214, 226) }
```

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

```
.border{ border-color:rgb(171, 214, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 214, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 214, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 214, 226);  
box-shadow:4px 4px 4px 4px rgb(171, 214,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.2420, 0.2757, 0.3145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 214, 226) }
```

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

```
.background{ background-color: rgb(171,  
214, 226) }
```

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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