

# Converting Colors

XYZ(62.1074, 73.2779, 82.8031)

Have a look what the booklet for  
XYZ(62.1074, 73.2779, 82.8031)  
contains.

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# Color

**XYZ(62.1125, 73.2715,  
82.8206)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7E8E2
RGB	183, 232, 226
RGB Percent	72%, 91%, 89%
CMY	0.2823, 0.0902, 0.1137
CMYK	0.21, 0.00, 0.03, 0.09
HSL	173°, 52%, 81%
HSV	173°, 21%, 91%
XYZ	62.1125, 73.2715, 82.8206
YIQ	216.6650, -27.2780, -12.2540

# Conversions

## Conversions Part 2

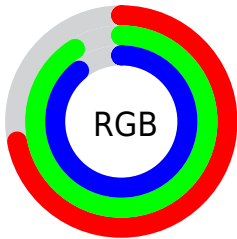
Format	Color
R <sub>Y</sub> B	183, 209, 232
Decimal	12052706
CIE Lab	88.58, -16.87, -2.26
CIE LCh	89, 17.020, 187.637
Yxy	73.2715, 0.2847, 0.3358
Android (android.graphics.Color)	4290242786 (0xFFB7E8E2)
YUV	216.6650, 4.6022, -29.5242
Hunter-Lab	85.5988, -20.2740, 2.5534

# Details

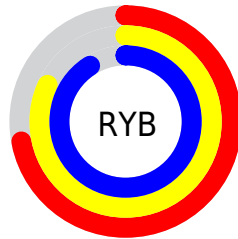
The XYZ color **62.1125, 73.2715, 82.8206** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.4001, 54.6989, 55.5744**, and the grayscale version is **65.7086, 69.1306, 75.2832**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **31.9293, 38.6581, 44.3070** is the 20% darker color. If you saturate the color by 10%, you get **56.6563, 70.5054, 80.5475**, and if you desaturate by 10%, it is **68.4889, 76.5151, 85.1736**.

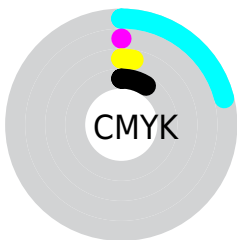
# Distribution



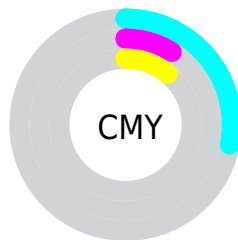
- Red (72%)
- Green (91%)
- Blue (89%)



- Red (72%)
- Yellow (82%)
- Blue (91%)



- Cyan (21%)
- Magenta (0%)
- Yellow (3%)
- Black (9%)



- Cyan (28%)
- Magenta (9%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.1125, 73.2715, 82.8206 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 XYZ color 62.1125, 73.2715, 82.8206 by changing the saturation by 10% instead.



62.1125, 73.2715,  
82.8206

62.1125, 73.2715,  
82.8206

422.0524,  
471.9552, 524.3438

45.3796, 54.1980,  
61.5024

106.9771,  
123.8626, 139.1712

31.9590, 38.7600,  
44.1976

135.8395,  
156.1489, 175.0406

21.4856, 26.5731,  
30.4875

169.4758,  
193.6083, 216.5976

13.5939, 17.2528,  
19.9537

208.2512,  
236.6252, 264.2606

7.9186, 10.4149,  
12.1777

252.5313,  
285.5839, 318.4481

4.0943, 5.6749,  
6.7408

302.6812,

1.7556, 2.6484,

340.8689, 379.5788

3.2246

359.0665,  
402.8646, 448.0712

■ 0.4907, 0.9511,  
1.2104

■ 0.0000, 0.0000,  
0.0000

■ 62.1125, 73.2715,  
82.8206

■ 62.1125, 73.2715,  
82.8206

■ 56.6563, 70.5054,  
80.5475

■ 68.4889, 76.5151,  
85.1736

■ 52.0696, 68.1847,  
78.3472


■ 75.8208, 80.2487,  
87.6037


■ 48.3060, 66.2877,  
76.2188


■ 84.1491, 84.4951,  
90.1144


■ 45.3125, 64.7870,  
74.1598


■ 85.4382, 85.1120,  
92.3300


 43.0299, 63.6521,  
72.1671


 85.8577, 85.2798,  
94.5393


 41.3903, 62.8478,  
70.2374


 86.2839, 85.4503,  
96.7834

 40.3122, 62.3324,  
68.3668

 86.7167, 85.6234,  
99.0625

 39.7070, 62.0555,  
66.7497

 87.1562, 85.7992,  
101.3768

 87.6024, 85.9776,  
103.7263

# Harmonies

## Analogous

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



62.5986, 73.2715, 71.4893



62.1125, 73.2715, 82.8206



63.5802, 73.2715, 94.3873

# Triad

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



62.1125, 73.2715, 82.8206



74.5717, 73.2715, 99.0421



72.6871, 73.2715, 60.6573

# Complementary

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



62.1125, 73.2715, 82.8206



59.4001, 54.6989, 55.5744

# 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.



76.0781, 73.2715, 66.7637



62.1125, 73.2715, 82.8206



77.1956, 73.2715, 88.6886

# Square

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



62.1125, 73.2715, 82.8206



70.6960, 73.2715, 104.3331



77.7574, 73.2715, 76.8152



68.5992, 73.2715, 59.4174

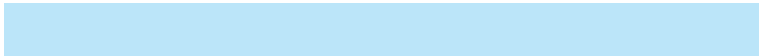


# Rectangle

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



62.1125, 73.2715, 82.8206



65.5044, 73.2715, 100.4260



77.7574, 73.2715, 76.8152



73.9510, 73.2715, 62.1777

# Sweetspot

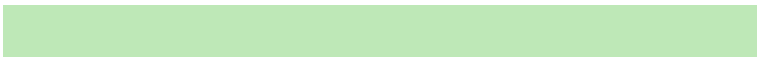
The Sweet Spot groups the original color and five complimentary colors.



62.1146, 73.2745, 82.8223



89.3431, 97.0927, 107.0654



58.5249, 72.0224, 55.6181



18.9959, 20.7170, 22.8741



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

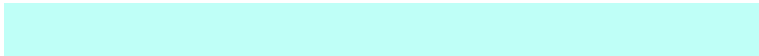


# Same Dimension

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



62.1146, 73.2745, 82.8223



74.1267, 89.3560, 101.4902



58.1511, 64.0060, 85.6369



14.7274, 16.3044, 18.0954



22.0745, 34.4619, 37.2224



1.6527, 2.5552, 2.8638



# Inverse Universe

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



59.4001, 54.6989, 55.5744



70.2411, 62.7570, 62.4805



62.7073, 62.3348, 53.5278



14.4485, 14.3966, 15.2960



18.6186, 9.5817, 1.6205

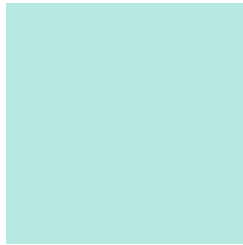


1.3995, 0.7175, 0.2441



# Previews

## White Background



This preview shows how the XYZ color 62.1125, 73.2715, 82.8206 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

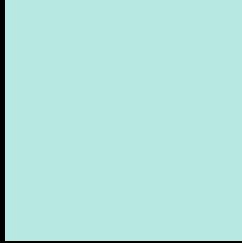
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.1125, 73.2715, 82.8206 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

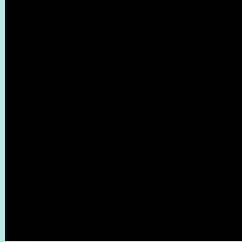
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

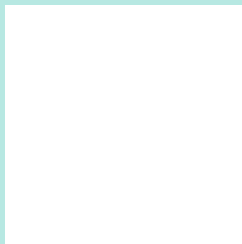
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 62.1125, 73.2715, 82.8206

## Background



This preview shows how black text looks on a background with the XYZ color 62.1125, 73.2715, 82.8206.



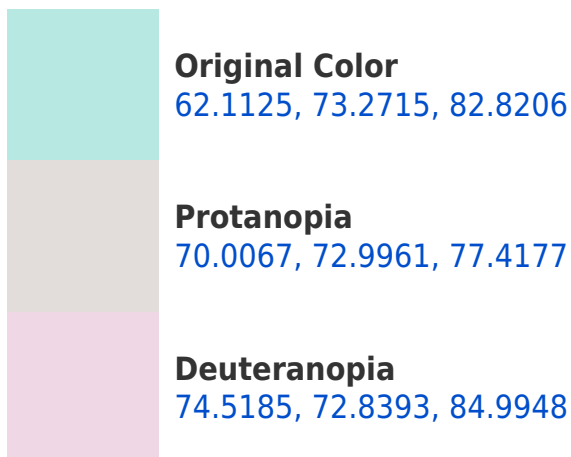
This preview shows how white text looks on a background with the XYZ color 62.1125, 73.2715,



# 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

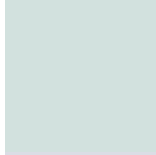
65.3013, 73.3188, 98.7059

# Trichromacy



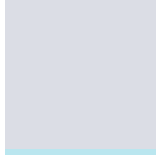
## Original Color

62.1125, 73.2715, 82.8206



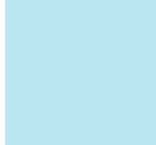
## Protanomaly

66.6884, 72.8260, 79.6492



## Deuteranomaly

69.2127, 72.4301, 84.4612



## Tritanomaly

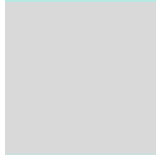
64.1265, 73.2647, 92.4230

# Monochromacy



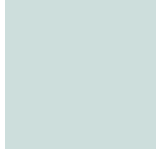
## Original Color

62.1125, 73.2715, 82.8206



## Achromatopsia

65.9525, 69.3872, 75.5626



## Achromatomaly

64.2164, 70.3890, 77.9120

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.1125, 73.2715, 82.8206 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(183, 232, 226) looks like.

```
.text, #text, p{  
    color:rgb(183, 232, 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(183, 232, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 232, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 62.1125, 73.2715, 82.8206 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(183, 232, 226) }
```



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

```
.border{ border-color:rgb(183, 232, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 232, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 232, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 232, 226);  
box-shadow:4px 4px 4px 4px rgb(183, 232,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.1125, 73.2715, 82.8206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 232, 226) }
```

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

```
.background{ background-color: rgb(183,  
232, 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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