

# Converting Colors

XYZ(62.3700, 73.9101, 79.0146)

Have a look what the booklet for  
XYZ(62.3700, 73.9101, 79.0146)  
contains.

<b>XYZ(62.3069, 73.8842, 78.6873)</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> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(62.3069, 73.8842,  
78.6873)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAE9DC
RGB	186, 233, 220
RGB Percent	73%, 91%, 86%
CMY	0.2706, 0.0863, 0.1372
CMYK	0.20, 0.00, 0.06, 0.09
HSL	163°, 52%, 82%
HSV	163°, 20%, 91%
XYZ	62.3069, 73.8842, 78.6873
YIQ	217.4650, -23.8390, -14.0070

# Conversions

## Conversions Part 2

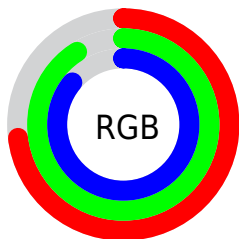
<b>Format</b>	<b>Color</b>
<b>RYB</b>	186, 213, 233
Decimal	12249564
CIELab	88.87, -17.67, 1.33
CIElCh	89, 17.720, 175.701
Yxy	73.8842, 0.2900, 0.3438
Android (android.graphics.Color)	4290439644 (0xFFBAE9DC)
YUV	217.4650, 1.2498, -27.5948
Hunter-Lab	85.9559, -21.0335, 5.8928

# Details

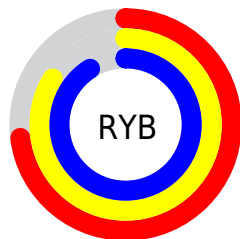
The XYZ color **62.3069, 73.8842, 78.6873** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.4746, 56.5670, 61.7145**, and the grayscale version is **66.2775, 69.7291, 75.9350**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **32.0294, 39.0664, 41.4498** is the 20% darker color. If you saturate the color by 10%, you get **56.2644, 70.8679, 74.0347**, and if you desaturate by 10%, it is **69.3095, 77.3956, 83.5598**.

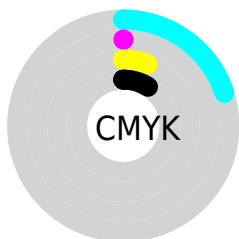
# Distribution



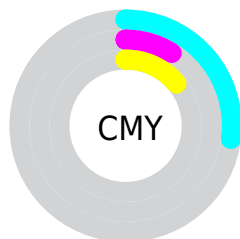
- Red (73%)
- Green (91%)
- Blue (86%)



- Red (73%)
- Yellow (84%)
- Blue (91%)



- Cyan (20%)
- Magenta (0%)
- Yellow (6%)
- Black (9%)



- Cyan (27%)
- Magenta (9%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.3069, 73.8842, 78.6873 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 62.3069, 73.8842, 78.6873 by changing the saturation by 10% instead.



62.3069, 73.8842,  
78.6873

62.3069, 73.8842,  
78.6873

422.7494,  
474.0736, 510.0875

45.5373, 54.6993,  
58.1189

107.2564,  
124.7316, 133.3132

32.0839, 39.1610,  
41.4889

136.1670,  
157.1629, 168.2079

21.5814, 26.8850,  
28.3788

169.8552,  
194.7785, 208.7150

13.6646, 17.4869,  
18.3698

208.6866,  
237.9626, 255.2533

7.9679, 10.5822,  
11.0437

253.0263,  
287.0999, 308.2411

4.1260, 5.7867,  
5.9817

303.2398,

1.7737, 2.7158,

342.5745, 368.0970

2.7653

359.6924,  
404.7709, 435.2396

■ 0.5017, 0.9852,  
0.9761

■ 0.0000, 0.0000,  
0.0000

■ 62.3069, 73.8842,  
78.6873

■ 62.3069, 73.8842,  
78.6873

■ 56.2644, 70.8679,  
74.0347

■ 69.3095, 77.3956,  
83.5598

■ 51.1308, 68.3144,  
69.5930

■ 77.3079, 81.4145,  
88.6512

■ 46.8592, 66.2016,  
65.3597

■ 86.0105, 85.7926,  
93.9510

■ 43.3964, 64.5021,  
61.3302

■ 86.9819, 86.1811,  
99.0665

■ 40.6826, 63.1850,  
57.4999

■ 87.9876, 86.5834,  
104.3628

■ 38.6499, 62.2155,  
53.8633

■ 88.4302, 86.7605,  
106.6934

■ 37.2174, 61.5519,  
50.4148

■ 36.2590, 61.1280,  
47.2004

# Harmonies

## Analogous

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



63.6206, 73.8842, 67.8414



62.3069, 73.8842, 78.6873



63.0427, 73.8842, 91.1470

# Triad

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



62.3069, 73.8842, 78.6873



73.8676, 73.8842, 103.6974



74.9822, 73.8842, 62.4470

# Complementary

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



62.3069, 73.8842, 78.6873



61.4746, 56.5670, 61.7145

# 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.



77.9324, 73.8842, 70.6196



62.3069, 73.8842, 78.6873



77.2707, 73.8842, 94.5255

# Square

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



62.3069, 73.8842, 78.6873



69.6074, 73.8842, 106.4135



78.7864, 73.8842, 82.2334



70.8456, 73.8842, 59.0912

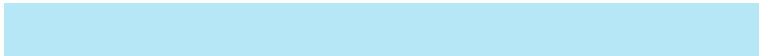


# Rectangle

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



62.3069, 73.8842, 78.6873



64.6132, 73.8842, 98.5907



78.7864, 73.8842, 82.2334



76.1520, 73.8842, 64.6787

# Sweetspot

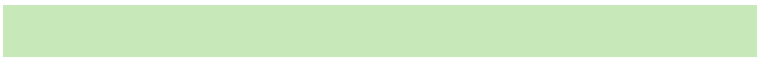
The Sweet Spot groups the original color and five complimentary colors.



62.3090, 73.8873, 78.6890



88.9693, 96.9432, 105.0973



61.6415, 74.0116, 57.4925



18.9073, 20.6816, 22.4078



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

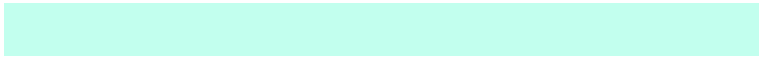


# Same Dimension

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



62.3090, 73.8873, 78.6890



73.3996, 89.1400, 94.2795



61.2987, 69.0025, 87.1823



15.3296, 17.0467, 18.4184



20.6283, 34.7058, 27.0714



1.6602, 2.7414, 2.3382



# Inverse Universe

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



61.4746, 56.5670, 61.7145



72.2114, 64.4443, 70.0842



62.2509, 60.4336, 54.8395



15.2367, 15.1225, 16.5317



19.6454, 10.0608, 3.9339

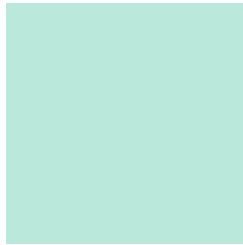


1.5822, 0.8058, 0.5172



# Previews

## White Background



This preview shows how the XYZ color 62.3069, 73.8842, 78.6873 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

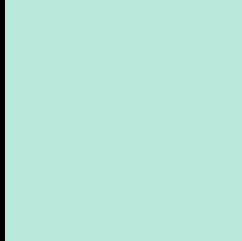
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.3069, 73.8842, 78.6873 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

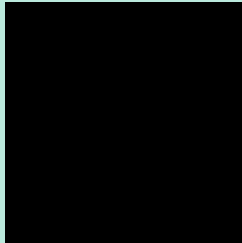
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

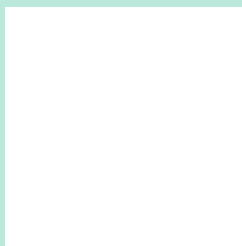
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 62.3069, 73.8842, 78.6873**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.3069, 73.8842, 78.6873.



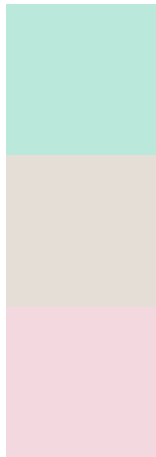
This preview shows how white text looks on a background with the XYZ color 62.3069, 73.8842, 78.6873.



# 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



### Original Color

62.3069, 73.8842, 78.6873

### Protanopia

70.5720, 73.7556, 74.1350

### Deuteranopia

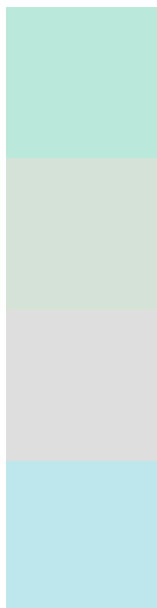
74.9726, 73.5482, 80.7658



## Tritanopia

66.2937, 73.8304, 98.7523

# Trichromacy



## Original Color

62.3069, 73.8842, 78.6873

## Protanomaly

67.0316, 73.4967, 75.6191

## Deuteranomaly

69.5648, 73.0999, 80.2553

## Tritanomaly

64.5691, 73.5269, 90.9097

# Monochromacy



## Original Color

62.3069, 73.8842, 78.6873

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

64.4962, 70.9591, 76.6268

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.3069, 73.8842, 78.6873 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(186, 233, 220)` looks like.

```
.text, #text, p{  
    color:rgb(186, 233, 220)  
}
```

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(186, 233, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 233, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 62.3069, 73.8842, 78.6873 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(186, 233, 220) }
```



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

```
.border{ border-color:rgb(186, 233, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 233, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 233, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 233, 220);  
box-shadow:4px 4px 4px 4px rgb(186, 233,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.3069, 73.8842, 78.6873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 233, 220) }
```

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

```
.background{ background-color: rgb(186,  
233, 220) }
```

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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