

# Converting Colors

XYZ(62.9648, 75.6044, 81.9461)

Have a look what the booklet for  
XYZ(62.9648, 75.6044, 81.9461)  
contains.

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# Color

**XYZ(62.7414, 75.3178,  
81.7520)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6ECE0
RGB	182, 236, 224
RGB Percent	71%, 93%, 88%
CMY	0.2863, 0.0745, 0.1216
CMYK	0.23, 0.00, 0.05, 0.07
HSL	167°, 59%, 82%
HSV	167°, 23%, 93%
XYZ	62.7414, 75.3178, 81.7520
YIQ	218.4860, -28.3320, -15.1800

# Conversions

## Conversions Part 2

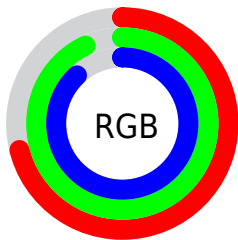
<b>Format</b>	<b>Color</b>
<b>RYB</b>	182, 212, 236
Decimal	11988192
CIELab	89.54, -19.57, 0.19
CIELCh	90, 19.568, 179.444
Yxy	75.3178, 0.2854, 0.3426
Android (android.graphics.Color)	4290178272 (0xFFB6ECE0)
YUV	218.4860, 2.7184, -31.9982
Hunter-Lab	86.7858, -22.8295, 4.8991

# Details

The XYZ color **62.7414, 75.3178, 81.7520** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.0603, 55.1858, 58.4758**, and the grayscale version is **66.9736, 70.4615, 76.7325**.

A 20% lighter version of the original color is **89.4066, 97.0907, 108.6359**, and **32.3848, 40.0963, 43.5686** is the 20% darker color. If you saturate the color by 10%, you get **56.9306, 72.4052, 77.8247**, and if you desaturate by 10%, it is **69.5177, 78.7296, 85.8423**.

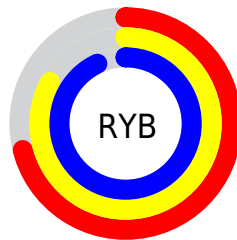
# Distribution



Red (71%)

Green (93%)

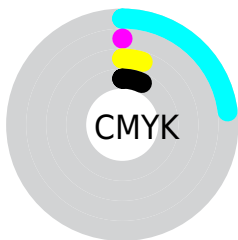
Blue (88%)



Red (71%)

Yellow (83%)

Blue (93%)

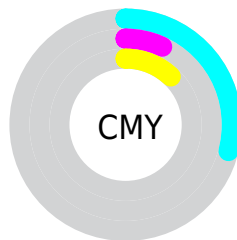


Cyan (23%)

Magenta (0%)

Yellow (5%)

Black (7%)



Cyan (29%)

Magenta (7%)

Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.7414, 75.3178, 81.7520 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 62.7414, 75.3178, 81.7520 by changing the saturation by 10% instead.





 62.7414, 75.3178,  
81.7520

 62.7414, 75.3178,  
81.7520


424.3050,  
479.0092, 520.6794

 45.8899, 55.8733,  
60.6265


 107.8803,  
126.7621, 137.6597

 32.3632, 40.1013,  
43.4952


136.8983,  
159.5307, 173.2790

 21.7960, 27.6176,  
29.9396


170.7026,  
197.5095, 214.5667

 13.8228, 18.0376,  
19.5411

209.6585,  
241.0827, 261.9413

 8.0784, 10.9770,  
11.8811

254.1313,  
290.6350, 315.8213

 4.1974, 6.0513,  
6.5412


304.4864,

 1.8144, 2.8763,


346.5505, 376.6253

3.1028


361.0892,  
409.2138, 444.7718

 0.5263, 1.0675,  
1.1474


 0.0000, 0.0000,  
0.0000

 62.7414, 75.3178,  
81.7520


 62.7414, 75.3178,  
81.7520


 56.9306, 72.4052,  
77.8247


 69.5177, 78.7296,  
85.8423


 52.0317, 69.9581,  
74.0520

 77.2970, 82.6540,  
90.0936

 47.9955, 67.9533,  
70.4322

 86.1228, 87.1152,  
94.5104

 44.7654, 66.3616,  
66.9616

 87.7158, 87.8452,  
98.7063

■ 42.2781, 65.1504,  
63.6363

■ 88.5282, 88.1702,  
102.9841

■ 40.4606, 64.2820,  
60.4517

■ 89.2868, 88.4736,  
106.9789

■ 39.2243, 63.7109,  
57.4025

■ 38.6013, 63.4354,  
55.3094

# Harmonies

## Analogous

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



63.9232, 75.3178, 69.2802



62.7414, 75.3178, 81.7520



63.8402, 75.3178, 95.7136

# Triad

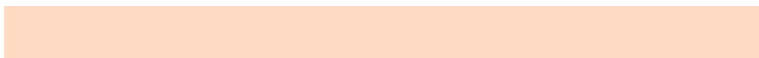
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



62.7414, 75.3178, 81.7520



76.2252, 75.3178, 107.2728



76.3871, 75.3178, 61.2700

# Complementary

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



62.7414, 75.3178, 81.7520



61.0603, 55.1858, 58.4758

# 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.



79.9372, 75.3178, 69.6780



62.7414, 75.3178, 81.7520



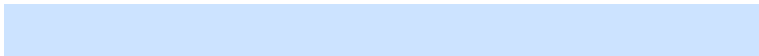
79.8408, 75.3178, 96.2070

# Square

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



62.7414, 75.3178, 81.7520



71.4978, 75.3178, 111.4107



81.2279, 75.3178, 82.2651



71.6769, 75.3178, 58.2955

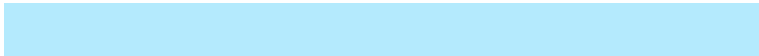


# Rectangle

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



62.7414, 75.3178, 81.7520



65.7473, 75.3178, 103.7967



81.2279, 75.3178, 82.2651



77.7633, 75.3178, 63.5046

# Sweetspot

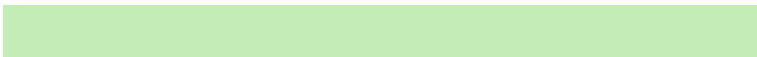
The Sweet Spot groups the original color and five complimentary colors.



62.7435, 75.3209, 81.7537



88.1529, 96.5174, 105.2772



60.8437, 74.9204, 55.5115



18.7472, 20.5976, 22.4678



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

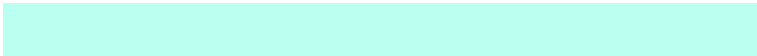


# Same Dimension

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



62.7435, 75.3209, 81.7537



71.7293, 88.2512, 95.4558



60.4492, 68.0342, 89.3064



15.3660, 17.0612, 18.6104



21.3275, 34.9855, 30.7534



1.7100, 2.7613, 2.6004



# Inverse Universe

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



61.0603, 55.1858, 58.4758



69.4265, 60.6795, 63.5913



62.8683, 60.8731, 52.6934



15.2025, 15.1089, 16.3519



19.4549, 9.9847, 2.9309

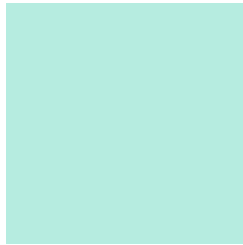


1.5630, 0.7982, 0.4164



# Previews

## White Background



This preview shows how the XYZ color 62.7414, 75.3178, 81.7520 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

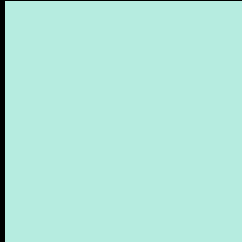
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.7414, 75.3178, 81.7520 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

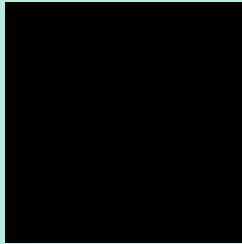
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

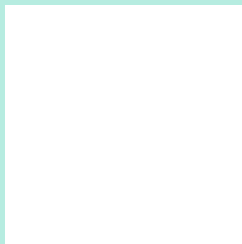
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 62.7414, 75.3178, 81.7520

## Background



This preview shows how black text looks on a background with the XYZ color 62.7414, 75.3178, 81.7520.



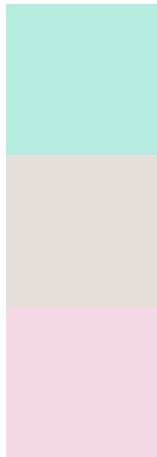
This preview shows how white text looks on a background with the XYZ color 62.7414, 75.3178,

81.7520.

# 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

62.7414, 75.3178, 81.7520

### Protanopia

71.5452, 74.6081, 76.2756

### Deuteranopia

76.1247, 74.4602, 83.7588



## Tritanopia

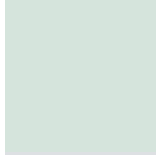
66.7627, 75.2431, 102.2714

# Trichromacy



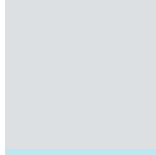
## Original Color

62.7414, 75.3178, 81.7520



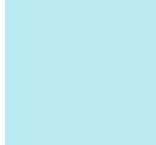
## Protanomaly

68.1022, 74.8002, 78.5587



## Deuteranomaly

70.3396, 74.2295, 83.2935



## Tritanomaly

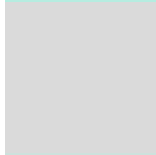
65.0237, 74.9430, 94.2574

# Monochromacy



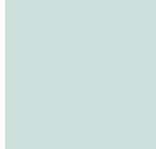
## Original Color

62.7414, 75.3178, 81.7520



## Achromatopsia

66.6397, 70.1102, 76.3500



## Achromatomaly

65.0203, 71.9969, 78.1800

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.7414, 75.3178, 81.7520 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(182, 236, 224)` looks like.

```
.text, #text, p{  
    color:rgb(182, 236, 224)  
}
```

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(182, 236, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 236, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 62.7414, 75.3178, 81.7520 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(182, 236, 224) }
```



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

```
.border{ border-color:rgb(182, 236, 224) }
```

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

Here you see how a box with a 4 pixel rgb(182, 236, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 236, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 236, 224);  
box-shadow:4px 4px 4px 4px rgb(182, 236,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.7414, 75.3178, 81.7520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 236, 224) }
```

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

```
.background{ background-color: rgb(182,  
236, 224) }
```

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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