

# Converting Colors

XYZ(58.3083, 73.9701, 57.7086)

Have a look what the booklet for  
XYZ(58.3083, 73.9701, 57.7086)  
contains.

<b>XYZ(58.2032, 73.9373, 57.6581)</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(58.2032, 73.9373,  
57.6581)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5EDBA
RGB	181, 237, 186
RGB Percent	71%, 93%, 73%
CMY	0.2902, 0.0706, 0.2706
CMYK	0.24, 0.00, 0.22, 0.07
HSL	125°, 61%, 82%
HSV	125°, 24%, 93%
XYZ	58.2032, 73.9373, 57.6581
YIQ	214.4420, -17.0050, -27.7330

# Conversions

## Conversions Part 2

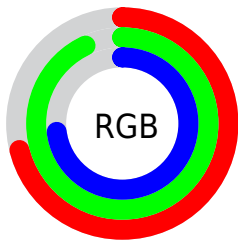
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">181, 232, 237</a>
Decimal	<a href="#">11922874</a>
CIELab	<a href="#">88.89, -27.53, 19.04</a>
CIELCh	<a href="#">89, 33.475, 145.329</a>
Yxy	<a href="#">73.9373, 0.3067, 0.3896</a>
Android (android.graphics.Color)	<a href="#">4290112954 (0xFFB5EDBA)</a>
YUV	<a href="#">214.4420, -14.0219, -29.3286</a>
Hunter-Lab	<a href="#">85.9868, -29.6529, 20.4341</a>

# Details

The XYZ color **58.2032, 73.9373, 57.6581** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.0170, 56.8802, 83.8466**, and the grayscale version is **64.3158, 67.6652, 73.6874**.

A 20% lighter version of the original color is **87.0469, 96.1079, 97.9672**, and **29.5099, 39.2532, 28.2116** is the 20% darker color. If you saturate the color by 10%, you get **50.9877, 70.4651, 46.2339**, and if you desaturate by 10%, it is **66.7146, 78.0418, 70.9554**.

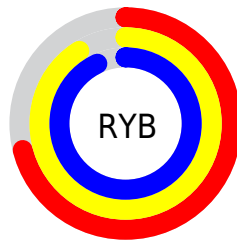
# Distribution



Red (71%)

Green (93%)

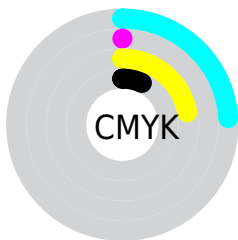
Blue (73%)



Red (71%)

Yellow (91%)

Blue (93%)

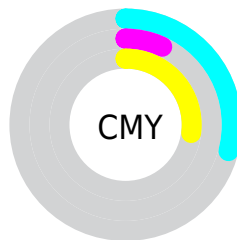


Cyan (24%)

Magenta (0%)

Yellow (22%)

Black (7%)



Cyan (29%)

Magenta (7%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.2032, 73.9373, 57.6581 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 58.2032, 73.9373, 57.6581 by changing the saturation by 10% instead.





 58.2032, 73.9373,  
57.6581

 58.2032, 73.9373,  
57.6581

407.8843,  
474.2569, 433.4734

 42.2159, 54.7427,  
41.1210


 101.3400,  
124.8069, 102.9347

 29.4623, 39.1958,  
28.0932


129.2202,  
157.2508, 132.5112

 19.5768, 26.9121,  
18.1563


161.7954,  
194.8798, 167.2712

 12.1943, 17.5072,  
10.8916

199.4310,  
238.0784, 207.6333

 6.9493, 10.5968,  
5.8808

242.4924,  
287.2311, 254.0160

 3.4764, 5.7964,  
2.7051


291.3448,


 1.4104, 2.7217,


342.7221, 306.8379


0.9460

346.3537,  
404.9359, 366.5175


 0.2636, 0.9882,  
0.0000


 0.0000, 0.0000,  
0.0000

 58.2032, 73.9373,  
57.6581


 58.2032, 73.9373,  
57.6581


 50.9877, 70.4651,  
46.2339


 66.7146, 78.0418,  
70.9554

 44.9989, 67.5849,  
36.5941

 76.5751, 82.7978,  
86.1993

 40.1701, 65.2664,  
28.6499

 87.8418, 88.2355,  
103.4657

 36.4258, 63.4728,  
22.3034

 89.5756, 89.0512,  
107.0752

■ 33.6817, 62.1628,  
17.4463

■ 31.8407, 61.2891,  
13.9572

■ 30.7863, 60.7944,  
11.6952

■ 30.4225, 60.6260,  
10.8159

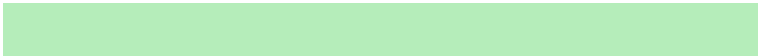
# Harmonies

## Analogous

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



63.8064, 73.9373, 46.4814



58.2032, 73.9373, 57.6581



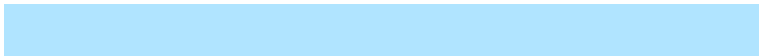
55.8373, 73.9373, 76.9193

# Triad

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



58.2032, 73.9373, 57.6581



69.0117, 73.9373, 133.7870



85.3495, 73.9373, 62.8543

# Complementary

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



58.2032, 73.9373, 57.6581



66.0170, 56.8802, 83.8466

# 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.



87.0093, 73.9373, 84.2007



58.2032, 73.9373, 57.6581



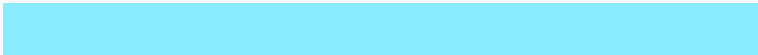
77.1670, 73.9373, 128.0496

# Square

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



58.2032, 73.9373, 57.6581



61.7642, 73.9373, 123.1529



83.9106, 73.9373, 108.7078

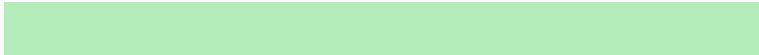


79.5342, 73.9373, 49.0516



# Rectangle

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



58.2032, 73.9373, 57.6581



56.2703, 73.9373, 92.9112



83.9106, 73.9373, 108.7078



86.4300, 73.9373, 69.2558

# Sweetspot

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



58.2052, 73.9404, 57.6597



86.2773, 95.7672, 95.4007



72.0148, 81.1199, 55.5790



18.3132, 20.4240, 20.1823



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

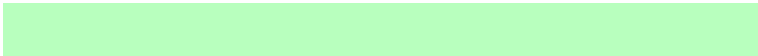


# Same Dimension

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



58.2052, 73.9404, 57.6597



64.7230, 85.3776, 61.7694



61.4375, 75.2334, 74.6811



14.9229, 16.8840, 16.2770



16.6288, 33.1060, 6.0104



1.3245, 2.6071, 0.5707



# Inverse Universe

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



66.0170, 56.8802, 83.8466



75.3379, 62.1912, 97.3492



62.3903, 55.4295, 64.7491



15.6534, 15.2892, 18.7262



25.8487, 12.5422, 36.6004

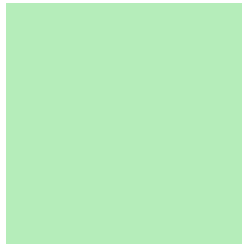


2.0468, 0.9917, 2.9637



# Previews

## White Background



This preview shows how the XYZ color 58.2032, 73.9373, 57.6581 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

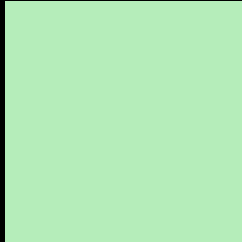
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.2032, 73.9373, 57.6581 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

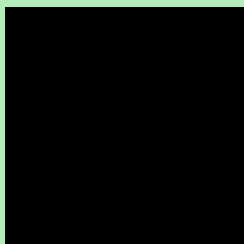
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

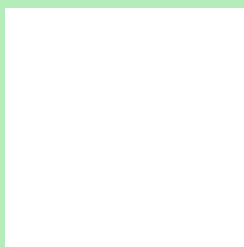
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 58.2032, 73.9373, 57.6581**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.2032, 73.9373, 57.6581.



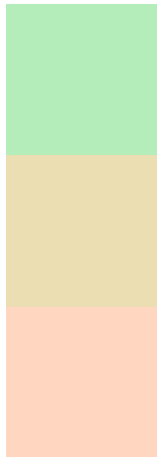
This preview shows how white text looks on a background with the XYZ color 58.2032, 73.9373,



# 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

58.2032, 73.9373, 57.6581

### Protanopia

68.8500, 73.3301, 53.1732

### Deuteranopia

74.6905, 73.1147, 59.4662



## Tritanopia

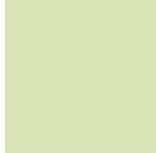
66.5460, 73.9605, 98.7641

# Trichromacy



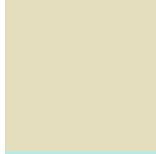
## Original Color

58.2032, 73.9373, 57.6581



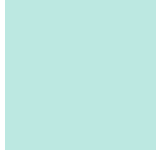
## Protanomaly

64.2315, 72.9145, 54.9445



## Deuteranomaly

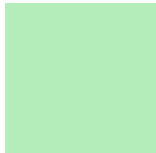
67.3015, 72.4107, 58.5736



## Tritanomaly

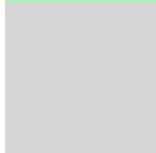
63.1863, 73.8408, 82.1566

# Monochromacy



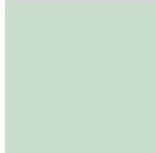
## Original Color

58.2032, 73.9373, 57.6581



## Achromatopsia

63.9157, 67.2443, 73.2291



## Achromatomaly

61.3775, 69.1587, 67.2408

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.2032, 73.9373, 57.6581 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(181, 237, 186)` looks like.

```
.text, #text, p{  
    color:rgb(181, 237, 186)  
}
```

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(181, 237, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 237, 186) }
```

## Border

The CSS property to change the border of an element to XYZ 58.2032, 73.9373, 57.6581 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(181, 237, 186) }
```



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

```
.border{ border-color:rgb(181, 237, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 237, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 237, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 237, 186); box-shadow:4px 4px 4px 4px rgb(181, 237, 186) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.2032, 73.9373, 57.6581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 237, 186) }
```

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

```
.background{ background-color: rgb(181,  
237, 186) }
```

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