

# Converting Colors

XYZ(59.4755, 72.3134, 69.5312)

Have a look what the booklet for  
XYZ(59.4755, 72.3134, 69.5312)  
contains.

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# Color

**XYZ(59.2886, 72.1145,  
69.1872)**

# Conversions

Conversions Part 1	
Format	Color
Hex	B6E8CE
RGB	182, 232, 206
RGB Percent	71%, 91%, 81%
CMY	0.2863, 0.0902, 0.1921
CMYK	0.22, 0.00, 0.11, 0.09
HSL	149°, 52%, 81%
HSV	149°, 22%, 91%
XYZ	59.2886, 72.1145, 69.1872
YIQ	214.0860, -21.4540, -18.6860

# Conversions

## Conversions Part 2

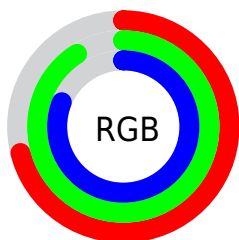
Format	Color
<a href="#">RYB</a>	<a href="#">182, 216, 232</a>
Decimal	<a href="#">11987150</a>
CIELab	<a href="#">88.02, -21.16, 7.41</a>
CIELCh	<a href="#">88, 22.421, 160.707</a>
Yxy	<a href="#">72.1145, 0.2956, 0.3595</a>
Android (android.graphics.Color)	<a href="#">4290177230</a> <a href="#">(0xFFB6E8CE)</a>
YUV	<a href="#">214.0860, -3.9864, -28.1394</a>
Hunter-Lab	<a href="#">84.9203, -23.9875, 11.1388</a>

# Details

The XYZ color **59.2886, 72.1145, 69.1872** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.3943, 55.1676, 67.0902**, and the grayscale version is **64.0123, 67.3460, 73.3398**.

A 20% lighter version of the original color is **89.4066, 97.0907, 108.6359**, and **30.0949, 37.9069, 35.4363** is the 20% darker color. If you saturate the color by 10%, you get **52.8472, 68.9587, 61.5268**, and if you desaturate by 10%, it is **66.7543, 75.7893, 77.4859**.

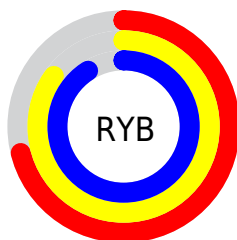
# Distribution



Red (71%)

Green (91%)

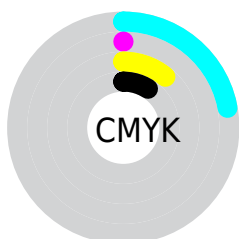
Blue (81%)



Red (71%)

Yellow (85%)

Blue (91%)

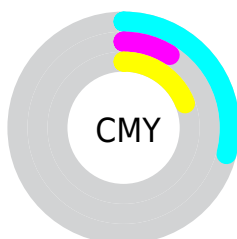


Cyan (22%)

Magenta (0%)

Yellow (11%)

Black (9%)



Cyan (29%)

Magenta (9%)


Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.2886, 72.1145, 69.1872 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 59.2886, 72.1145, 69.1872 by changing the saturation by 10% instead.





 59.2886, 72.1145,  
69.1872

 59.2886, 72.1145,  
69.1872


411.8475,  
467.9400, 476.4027

 43.0927, 53.2522,  
50.3915


 102.9092,  
122.2193, 119.7191

 30.1527, 38.0042,  
35.3512


131.0647,  
154.2306, 152.2924

 20.1032, 25.9859,  
23.6478


163.9375,  
191.3937, 190.2953

 12.5788, 16.8131,  
14.8628

201.8928,  
234.0930, 234.1464

 7.2141, 10.1013,  
8.5776

245.2961,  
282.7129, 284.2641

 3.6439, 5.4662,  
4.3737

294.5128,


 1.5027, 2.5233,


337.6378, 341.0670

1.8325


349.9081,  
399.2520, 404.9737


 0.3277, 0.8883,  
0.4493


 0.0000, 0.0000,  
0.0000


 59.2886, 72.1145,  
69.1872


 59.2886, 72.1145,  
69.1872


 52.8472, 68.9587,  
61.5268


 66.7543, 75.7893,  
77.4859


 47.3769, 66.2889,  
54.4847


 75.2822, 79.9964,  
86.4329


 42.8286, 64.0819,  
48.0464


 84.9159, 84.7600,  
96.0440


 39.1464, 62.3094,  
42.1952


 88.0292, 86.1484,  
105.9743

 36.2679, 60.9394,  
36.9137

 88.1479, 86.1959,  
106.5993

 34.1219, 59.9356,  
32.1831

 32.6232, 59.2544,  
27.9835

 31.7468, 58.8714,  
24.8319

# Harmonies

## Analogous

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



62.0529, 72.1145, 58.2460



59.2886, 72.1145, 69.1872



58.9276, 72.1145, 84.1195

# Triad

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



59.2886, 72.1145, 69.1872



70.4708, 72.1145, 111.1554



76.6364, 72.1145, 60.8381

# Complementary

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



59.2886, 72.1145, 69.1872



61.3943, 55.1676, 67.0902

# 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.



79.1505, 72.1145, 73.1755



59.2886, 72.1145, 69.1872



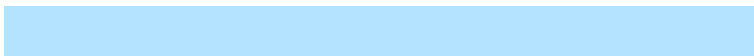
75.4698, 72.1145, 103.0258

# Square

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



59.2886, 72.1145, 69.1872



65.2012, 72.1145, 109.7230



78.7128, 72.1145, 88.6574



71.9964, 72.1145, 53.8768



# Rectangle

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



59.2886, 72.1145, 69.1872



60.0767, 72.1145, 94.5383



78.7128, 72.1145, 88.6574



77.7689, 72.1145, 64.4225

# Sweetspot

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



59.2906, 72.1175, 69.1888



88.3886, 96.7109, 102.0394



63.5029, 74.6006, 55.3094



18.7700, 20.6267, 21.6846



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

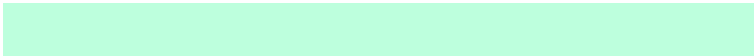


# Same Dimension

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



59.2906, 72.1175, 69.1888



69.6595, 87.4955, 81.2901



62.4802, 73.3934, 85.9852



14.4760, 16.2038, 16.7714



17.6867, 32.7068, 14.1164



1.3537, 2.4356, 1.2893



# Inverse Universe

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



61.3943, 55.1676, 67.0902



72.7164, 62.8636, 78.2392



58.6256, 54.0601, 52.5103



14.6884, 14.4926, 16.5597



20.4431, 10.3115, 11.2282

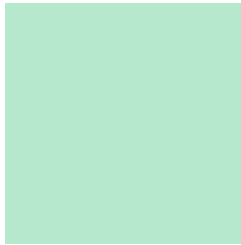


1.5576, 0.7807, 1.0767



# Previews

## White Background



This preview shows how the XYZ color 59.2886, 72.1145, 69.1872 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

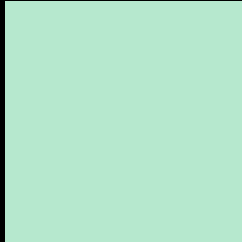
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.2886, 72.1145, 69.1872 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

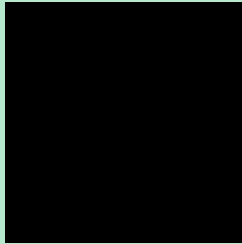
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

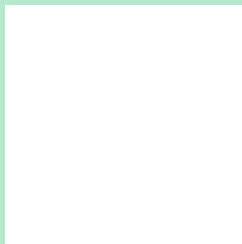
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 59.2886, 72.1145, 69.1872**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.2886, 72.1145, 69.1872.



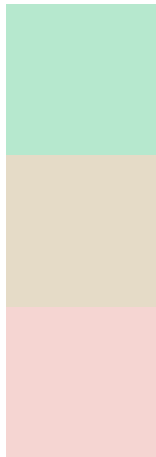
This preview shows how white text looks on a background with the XYZ color 59.2886, 72.1145,



# 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

59.2886, 72.1145, 69.1872

### Protanopia

67.9534, 71.4446, 64.2415

### Deuteranopia

73.0833, 71.6541, 70.9515



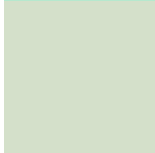
## Tritanopia

64.6641, 71.8041, 96.8376

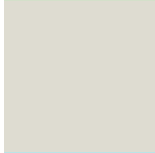
# Trichromacy



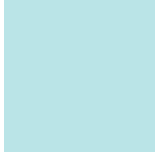
**Original Color**  
59.2886, 72.1145, 69.1872



**Protanomaly**  
64.4677, 71.5726, 66.2942

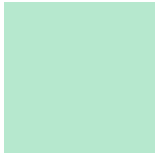


**Deuteranomaly**  
67.2260, 71.3194, 70.5444

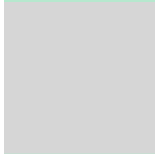


**Tritanomaly**  
62.4169, 71.6954, 86.1502

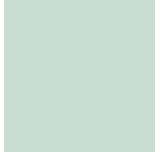
# Monochromacy



**Original Color**  
59.2886, 72.1145, 69.1872



**Achromatopsia**  
63.9157, 67.2443, 73.2291



**Achromatomaly**  
61.9714, 68.9726, 71.6748

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.2886, 72.1145, 69.1872 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, 232, 206) looks like.

```
.text, #text, p{  
    color:rgb(182, 232, 206)  
}
```

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, 232, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 232, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 59.2886, 72.1145, 69.1872 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, 232, 206) }
```



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

```
.border{ border-color:rgb(182, 232, 206) }
```

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

Here you see how a box with a 4 pixel rgb(182, 232, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 232, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 232, 206);  
box-shadow:4px 4px 4px 4px rgb(182, 232,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.2886, 72.1145, 69.1872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 232, 206) }
```

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

```
.background{ background-color: rgb(182,  
232, 206) }
```

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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