

# Converting Colors

XYZ(62.3627, 82.8598, 62.1655)

Have a look what the booklet for  
XYZ(62.3627, 82.8598, 62.1655)  
contains.

<b>XYZ(62.3458, 82.7295, 61.9726)</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(62.3458, 82.7295,  
61.9726)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1FCBF
RGB	177, 252, 191
RGB Percent	69%, 99%, 75%
CMY	0.3059, 0.0117, 0.2510
CMYK	0.30, 0.00, 0.24, 0.01
HSL	131°, 93%, 84%
HSV	131°, 30%, 99%
XYZ	62.3458, 82.7295, 61.9726
YIQ	222.6210, -25.1190, -34.8710

# Conversions

## Conversions Part 2

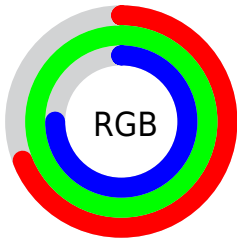
Format	Color
<a href="#">RYB</a>	<a href="#">177, 240, 252</a>
Decimal	<a href="#">11664575</a>
CIELab	<a href="#">92.90, -34.94, 22.01</a>
CIELCh	<a href="#">93, 41.294, 147.799</a>
Yxy	<a href="#">82.7295, 0.3011, 0.3996</a>
Android (android.graphics.Color)	<a href="#">4289854655 (0xFFB1FCBF)</a>
YUV	<a href="#">222.6210, -15.5892, -40.0096</a>
Hunter-Lab	<a href="#">90.9558, -36.8194, 23.2719</a>

# Details

The XYZ color **62.3458, 82.7295, 61.9726** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **71.3024, 58.3145, 88.3900**, and the grayscale version is **69.9919, 73.6370, 80.1907**.

A 20% lighter version of the original color is **86.6350, 95.7897, 102.7301**, and **32.0565, 44.9739, 30.6582** is the 20% darker color. If you saturate the color by 10%, you get **55.0273, 79.2017, 50.6688**, and if you desaturate by 10%, it is **71.0443, 86.9369, 74.9923**.

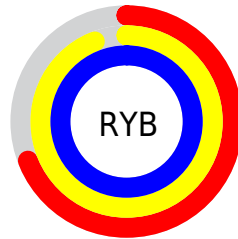
# Distribution



Red (69%)

Green (99%)

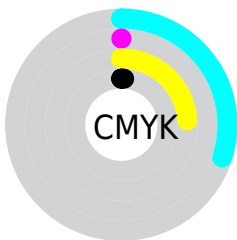
Blue (75%)



Red (69%)

Yellow (94%)

Blue (99%)

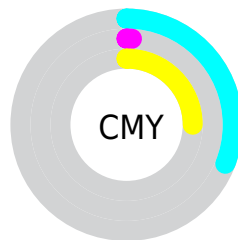


Cyan (30%)

Magenta (0%)

Yellow (24%)

Black (1%)



Cyan (31%)

Magenta (1%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.3458, 82.7295, 61.9726 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 62.3458, 82.7295, 61.9726 by changing the saturation by 10% instead.





 62.3458, 82.7295,  
61.9726

 62.3458, 82.7295,  
61.9726


422.8888,  
504.0846, 449.8360

 45.5688, 61.9670,  
44.5749


 107.3123,  
137.1965, 109.2571

 32.1089, 45.0061,  
30.7822


136.2325,  
171.6699, 139.9811

 21.6006, 31.4622,  
20.1760


169.9312,  
211.4823, 175.9842

 13.6787, 20.9511,  
12.3377

208.7736,  
257.0182, 217.6850

 7.9777, 13.0882,  
6.8488

253.1253,  
308.6620, 265.5020

 4.1324, 7.4893,  
3.2907

303.3515,

 1.7773, 3.7700,

366.7981, 319.8539

1.2449

359.8175,  
431.8108, 381.1590

0.5039, 1.5457,  
0.0160

0.0000, 0.3206,  
0.0000

62.3458, 82.7295,  
61.9726

62.3458, 82.7295,  
61.9726

55.0273, 79.2017,  
50.6688

71.0443, 86.9369,  
74.9923

49.0108, 76.3077,  
41.0039

81.1824, 91.8463,  
89.7895

44.2204, 74.0125,  
32.9033

92.8243, 97.4917,  
106.4296

40.5696, 72.2732,  
26.2846

94.1020, 98.1040,  
108.5840

■ 37.9603, 71.0410,  
21.0575

■ 36.2770, 70.2586,  
17.1219

■ 35.3433, 69.8374,  
14.3626

■ 35.3259, 69.8296,  
14.3103

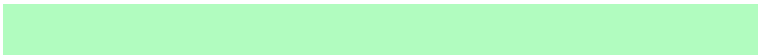
# Harmonies

## Analogous

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



69.3450, 82.7295, 47.0678



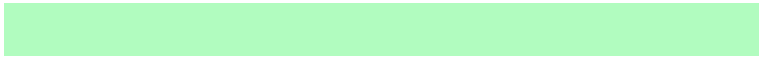
62.3458, 82.7295, 61.9726



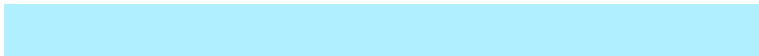
59.6637, 82.7295, 87.8147

# Triad

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



62.3458, 82.7295, 61.9726



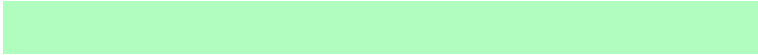
77.8375, 82.7295, 163.4794



98.4558, 82.7295, 65.1055

# Complementary

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



62.3458, 82.7295, 61.9726



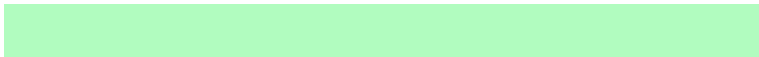
71.3024, 58.3145, 88.3900

# 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.



101.2463, 82.7295, 92.3806



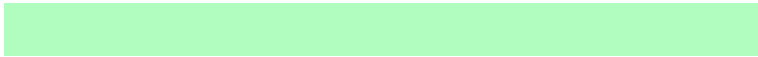
62.3458, 82.7295, 61.9726



88.7130, 82.7295, 153.5471

# Square

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



62.3458, 82.7295, 61.9726



68.0830, 82.7295, 150.3124



97.5326, 82.7295, 125.6086

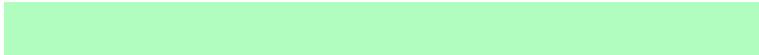


90.2178, 82.7295, 48.5644



# Rectangle

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



62.3458, 82.7295, 61.9726



60.4810, 82.7295, 109.4951



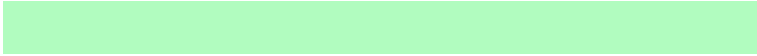
97.5326, 82.7295, 125.6086



100.0932, 82.7295, 73.1045

# Sweetspot

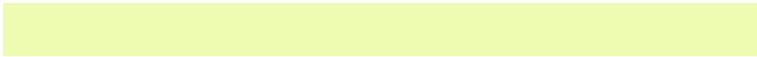
The Sweet Spot groups the original color and five complimentary colors.



62.3480, 82.7330, 61.9744



84.2439, 94.7597, 93.4619



78.0933, 91.0196, 55.0483



17.6832, 20.1136, 19.5017



0.0000, 0.0000, 0.0000

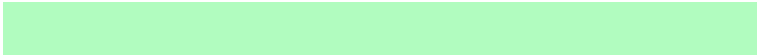


20.3446, 21.4041, 23.3091

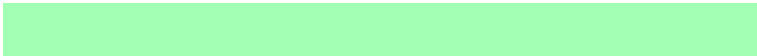


# Same Dimension

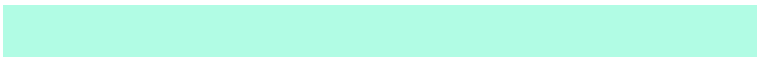
The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.3480, 82.7330, 61.9744



59.1778, 82.6367, 56.1912



66.9827, 84.5868, 86.3803



17.1497, 19.3622, 18.9890



18.4398, 36.3889, 7.6595



1.7423, 3.3840, 0.8910



# Inverse Universe

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



71.3024, 58.3145, 88.3900



69.7854, 53.6905, 87.4693



66.3827, 56.3466, 62.4831



17.8459, 17.4657, 21.0443



26.7011, 13.0962, 31.4639

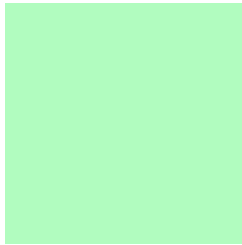


2.5077, 1.2268, 3.0970



# Previews

## White Background



This preview shows how the XYZ color 62.3458, 82.7295, 61.9726 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

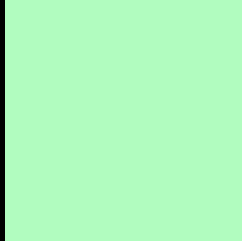
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.3458, 82.7295, 61.9726 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 62.3458, 82.7295, 61.9726**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.3458, 82.7295, 61.9726.



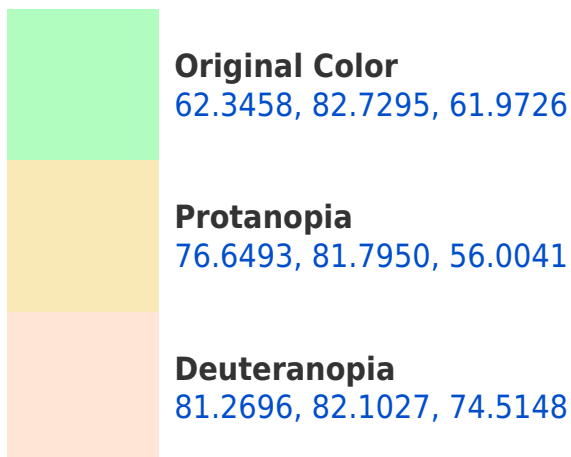
This preview shows how white text looks on a background with the XYZ color 62.3458, 82.7295,

61.9726.

# 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

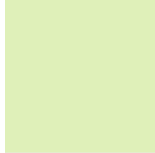
73.8387, 82.2367, 106.5893

# Trichromacy



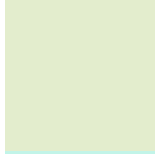
## Original Color

62.3458, 82.7295, 61.9726



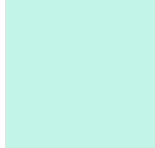
## Protanomaly

70.3485, 81.5109, 57.9244



## Deuteranomaly

72.9822, 81.3070, 69.6049



## Tritanomaly

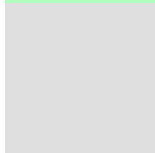
69.1643, 81.9969, 88.5256

# Monochromacy



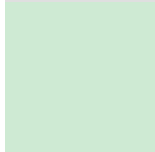
## Original Color

62.3458, 82.7295, 61.9726



## Achromatopsia

70.1384, 73.7910, 80.3584



## Achromatomaly

66.6343, 76.6706, 72.9149

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.3458, 82.7295, 61.9726 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(177, 252, 191)` looks like.

```
.text, #text, p{  
    color:rgb(177, 252, 191)  
}
```

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(177, 252, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 252, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 62.3458, 82.7295, 61.9726 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(177, 252, 191) }
```



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

```
.border{ border-color:rgb(177, 252, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 252, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 252, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 252, 191);  
box-shadow:4px 4px 4px 4px rgb(177, 252,  
191) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.3458, 82.7295, 61.9726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 252, 191) }
```

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

```
.background{ background-color: rgb(177,  
252, 191) }
```

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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