

# Converting Colors

XYZ(62.0854, 79.6649, 70.7112)

Have a look what the booklet for  
XYZ(62.0854, 79.6649, 70.7112)  
contains.

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# Color

**XYZ(62.0008, 79.5979,  
70.4887)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0F6CE
RGB	176, 246, 206
RGB Percent	69%, 96%, 81%
CMY	0.3098, 0.0353, 0.1921
CMYK	0.28, 0.00, 0.16, 0.04
HSL	146°, 80%, 83%
HSV	146°, 28%, 96%
XYZ	62.0008, 79.5979, 70.4887
YIQ	220.5100, -28.8800, -27.2800

# Conversions

## Conversions Part 2

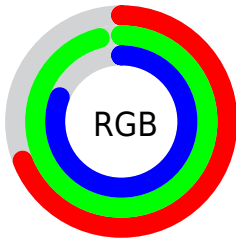
Format	Color
<a href="#">RYB</a>	<a href="#">176, 225, 246</a>
Decimal	<a href="#">11597518</a>
CIELab	<a href="#">91.50, -29.75, 12.34</a>
CIELCh	<a href="#">92, 32.203, 157.474</a>
Yxy	<a href="#">79.5979, 0.2923, 0.3753</a>
Android (android.graphics.Color)	<a href="#">4289787598 (0xFFB0F6CE)</a>
YUV	<a href="#">220.5100, -7.1534, -39.0353</a>
Hunter-Lab	<a href="#">89.2177, -32.0843, 15.6088</a>

# Details

The XYZ color **62.0008, 79.5979, 70.4887** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.9287, 55.6031, 72.2265**, and the grayscale version is **68.4486, 72.0132, 78.4224**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **31.8911, 42.7998, 36.2861** is the 20% darker color. If you saturate the color by 10%, you get **55.3026, 76.3356, 61.6563**, and if you desaturate by 10%, it is **69.8640, 83.4475, 80.1764**.

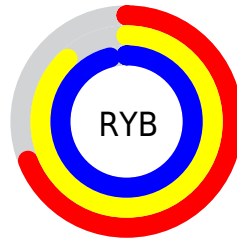
# Distribution



Red (69%)

Green (96%)

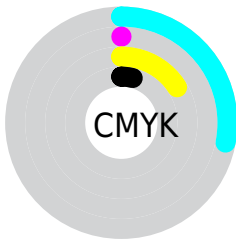
Blue (81%)



Red (69%)

Yellow (88%)

Blue (96%)

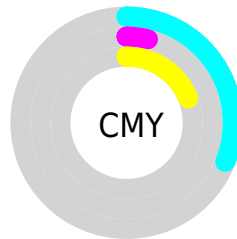


Cyan (28%)

Magenta (0%)

Yellow (16%)

Black (4%)



Cyan (31%)

Magenta (4%)


Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.0008, 79.5979, 70.4887 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 62.0008, 79.5979, 70.4887 by changing the saturation by 10% instead.





 62.0008, 79.5979,  
70.4887

 62.0008, 79.5979,  
70.4887


421.6515,  
493.5767, 481.0995

 45.2889, 59.3875,  
51.4458

 106.8166,  
132.8003, 121.5931

 31.8873, 42.9252,  
36.1843


135.6513,  
166.5610, 154.4916

 21.4306, 29.8264,  
24.2858


169.2576,  
205.6074, 192.8457

 13.5534, 19.7069,  
15.3316

208.0010,  
250.3237, 237.0740

 7.8903, 12.1821,  
8.9032

252.2467,  
301.0944, 287.5950

 4.0760, 6.8678,  
4.5822

302.3601,

 1.7452, 3.3796,

358.3039, 344.8272

1.9498

358.7066,  
422.3365, 409.1892

0.4843, 1.3330,  
0.5242

0.0000, 0.1665,  
0.0000

62.0008, 79.5979,  
70.4887

62.0008, 79.5979,  
70.4887

55.3026, 76.3356,  
61.6563

69.8640, 83.4475,  
80.1764

49.7045, 73.6211,  
53.6503

78.9400, 87.9020,  
90.7367

45.1449, 71.4252,  
46.4480

89.2816, 92.9904,  
102.1930

41.5531, 69.7121,  
40.0232

92.2473, 94.3946,  
107.9658

■ 38.8490, 68.4409,  
34.3487

■ 36.9387, 67.5637,  
29.3948

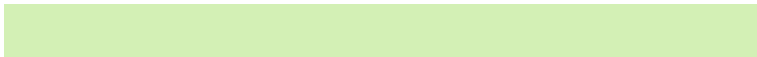
■ 35.6902, 67.0132,  
25.1291

■ 35.5291, 66.9433,  
24.5288

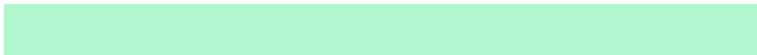
# Harmonies

## Analogous

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



66.4590, 79.5979, 55.5336



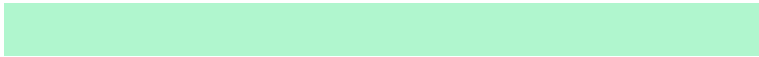
62.0008, 79.5979, 70.4887



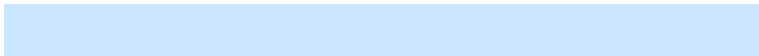
61.0690, 79.5979, 92.6783

# Triad

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



62.0008, 79.5979, 70.4887



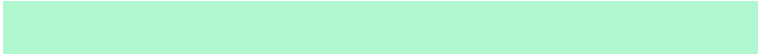
77.7257, 79.5979, 139.6172



88.8768, 79.5979, 61.9877

# Complementary

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



62.0008, 79.5979, 70.4887



65.9287, 55.6031, 72.2265

# 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.



92.3971, 79.5979, 80.9245



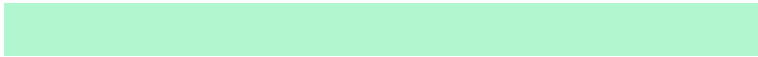
62.0008, 79.5979, 70.4887



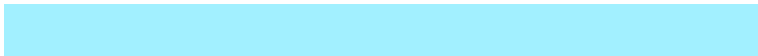
85.6634, 79.5979, 127.6904

# Square

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



62.0008, 79.5979, 70.4887



69.7720, 79.5979, 135.4505



91.1806, 79.5979, 105.1523

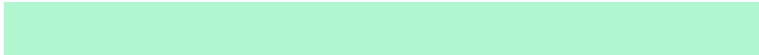


81.8606, 79.5979, 51.2798



# Rectangle

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



62.0008, 79.5979, 70.4887



62.5061, 79.5979, 109.2243



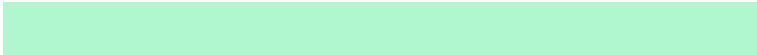
91.1806, 79.5979, 105.1523



90.5305, 79.5979, 67.4538

# Sweetspot

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



62.0030, 79.6012, 70.4905



85.0647, 95.0881, 97.7846



69.3607, 83.7760, 53.5898



17.8845, 20.1941, 20.5613



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

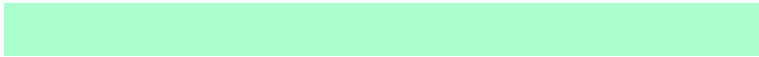


# Same Dimension

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



62.0030, 79.6012, 70.4905



63.0470, 84.3076, 70.9966



66.6158, 81.4463, 94.7813



16.5770, 18.5899, 19.0568



19.0302, 35.7569, 13.4449



1.7230, 3.1628, 1.4470



# Inverse Universe

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



65.9287, 55.6031, 72.2265



67.9326, 54.4300, 73.1484



61.9599, 54.0156, 51.3271



16.8960, 16.6412, 19.1988



22.9072, 11.5063, 14.7515

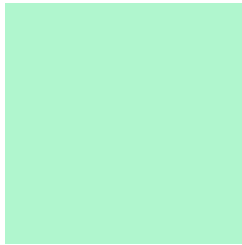


2.0647, 1.0319, 1.5673



# Previews

## White Background



This preview shows how the XYZ color 62.0008, 79.5979, 70.4887 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

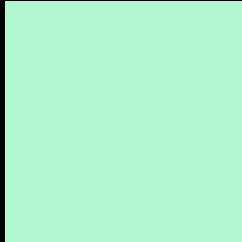
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.0008, 79.5979, 70.4887 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

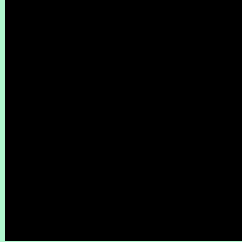
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

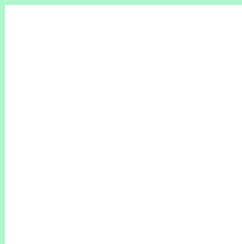
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 62.0008, 79.5979, 70.4887

## Background



This preview shows how black text looks on a background with the XYZ color 62.0008, 79.5979, 70.4887.



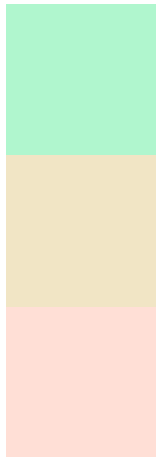
This preview shows how white text looks on a background with the XYZ color 62.0008, 79.5979,



# 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

62.0008, 79.5979, 70.4887

### Protanopia

74.3730, 78.7706, 64.1077

### Deuteranopia

79.7653, 78.8904, 74.6416



## Tritanopia

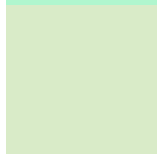
70.3628, 79.5755, 106.2588

# Trichromacy



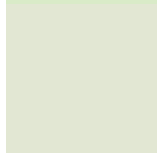
## Original Color

62.0008, 79.5979, 70.4887



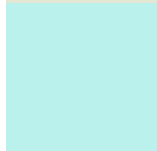
## Protanomaly

68.7489, 78.3385, 66.1410



## Deuteranomaly

71.6978, 78.0237, 72.9092



## Tritanomaly

66.9911, 79.4641, 91.9281

# Monochromacy



## Original Color

62.0008, 79.5979, 70.4887



## Achromatopsia

68.7264, 72.3055, 78.7407



## Achromatomaly

65.8683, 74.5306, 75.8800

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.0008, 79.5979, 70.4887 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(176, 246, 206)` looks like.

```
.text, #text, p{  
    color:rgb(176, 246, 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(176, 246, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 246, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 62.0008, 79.5979, 70.4887 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(176, 246, 206) }
```



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

```
.border{ border-color:rgb(176, 246, 206) }
```

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

Here you see how a box with a 4 pixel rgb(176, 246, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 246, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 246, 206);  
box-shadow:4px 4px 4px 4px rgb(176, 246,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.0008, 79.5979, 70.4887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 246, 206) }
```

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

```
.background{ background-color: rgb(176,  
246, 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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