

# Converting Colors

XYZ(62.6358, 73.7309, 83.4565)

Have a look what the booklet for  
XYZ(62.6358, 73.7309, 83.4565)  
contains.

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# Color

**XYZ(62.4889, 73.4496,  
83.5567)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8E8E3
RGB	184, 232, 227
RGB Percent	72%, 91%, 89%
CMY	0.2784, 0.0902, 0.1098
CMYK	0.21, 0.00, 0.02, 0.09
HSL	174°, 51%, 82%
HSV	174°, 21%, 91%
XYZ	62.4889, 73.4496, 83.5567
YIQ	217.0780, -27.0030, -11.7310

# Conversions

## Conversions Part 2

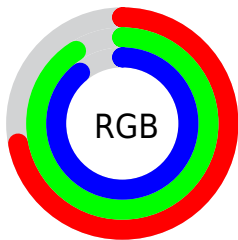
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 209, 232
Decimal	12118243
CIELab	88.66, -16.36, -2.66
CIElCh	89, 16.574, 189.219
Yxy	73.4496, 0.2847, 0.3346
Android (android.graphics.Color)	4290308323 (0xFFB8E8E3)
YUV	217.0780, 4.8915, -29.0094
Hunter-Lab	85.7027, -19.8291, 2.1866

# Details

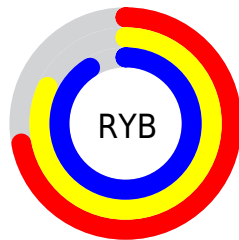
The XYZ color **62.4889, 73.4496, 83.5567** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.6071, 55.1129, 55.6434**, and the grayscale version is **65.9893, 69.4258, 75.6047**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **32.1776, 38.7751, 44.8181** is the 20% darker color. If you saturate the color by 10%, you get **57.0498, 70.6859, 81.5736**, and if you desaturate by 10%, it is **68.8483, 76.6911, 85.6105**.

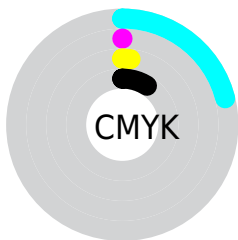
# Distribution



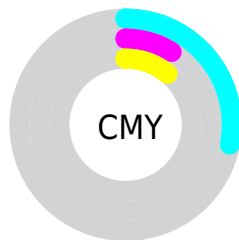
- Red (72%)
- Green (91%)
- Blue (89%)



- Red (72%)
- Yellow (82%)
- Blue (91%)



- Cyan (21%)
- Magenta (0%)
- Yellow (2%)
- Black (9%)



- Cyan (28%)
- Magenta (9%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.4889, 73.4496, 83.5567 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 62.4889, 73.4496, 83.5567 by changing the saturation by 10% instead.



62.4889, 73.4496,  
83.5567

62.4889, 73.4496,  
83.5567

423.4014,  
472.5716, 526.8595

45.6850, 54.3437,  
62.1062

107.5178,  
124.1153, 140.2111

32.2009, 38.8765,  
44.6822

136.4734,  
156.4438, 176.2521

21.6712, 26.6637,  
30.8661

170.2103,  
193.9486, 217.9937

13.7308, 17.3208,  
20.2393

209.0939,  
237.0142, 265.8544

8.0141, 10.4635,  
12.3833

253.4894,  
286.0249, 320.2528

4.1559, 5.7073,  
6.8796

303.7622,

1.7907, 2.6679,

341.3651, 381.6075

3.3096

360.2778,  
403.4192, 450.3368

■ 0.5120, 0.9609,  
1.2548

■ 0.0000, 0.0000,  
0.0243

■ 62.4889, 73.4496,  
83.5567

■ 62.4889, 73.4496,  
83.5567

■ 57.0498, 70.6859,  
81.5736

■ 68.8483, 76.6911,  
85.6105

■ 52.4803, 68.3680,  
79.6539


■ 76.1631, 80.4226,  
87.7320


■ 48.7345, 66.4741,  
77.7971

■ 84.4742, 84.6672,  
89.9249


■ 45.7594, 64.9771,  
76.0005


■ 85.3364, 85.0712,  
91.7938


 43.4962, 63.8465,  
74.2614

 85.6915, 85.2133,  
93.6640


 41.8773, 63.0476,  
72.5763


 86.0514, 85.3572,  
95.5592

 40.8223, 62.5388,  
70.9415

 86.4161, 85.5031,  
97.4798

 40.2214, 62.2612,  
69.4588

 86.7857, 85.6509,  
99.4258

 87.1600, 85.8007,  
101.3972

# Harmonies

## Analogous

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



62.8622, 73.4496, 72.4080



62.4889, 73.4496, 83.5567



64.0187, 73.4496, 94.7318

# Triad

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



62.4889, 73.4496, 83.5567



74.7905, 73.4496, 98.2894



72.5772, 73.4496, 61.0905

# Complementary

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



62.4889, 73.4496, 83.5567



59.6071, 55.1129, 55.6434

# 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.



75.9439, 73.4496, 66.8347



62.4889, 73.4496, 83.5567



77.2552, 73.4496, 88.0498

# Square

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



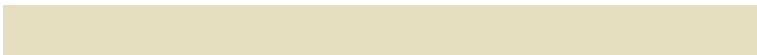
62.4889, 73.4496, 83.5567



71.0516, 73.4496, 103.7566



77.6852, 73.4496, 76.4955



68.5862, 73.4496, 60.1354

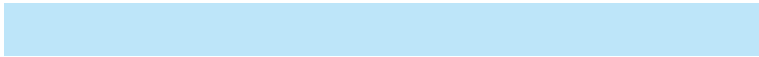


# Rectangle

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



62.4889, 73.4496, 83.5567



65.9477, 73.4496, 100.4388



77.6852, 73.4496, 76.4955



73.8237, 73.4496, 62.4971

# Sweetspot

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



62.4910, 73.4526, 83.5584



89.3877, 97.1105, 107.3004



58.6460, 72.0727, 56.1692



19.0064, 20.7213, 22.9298



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

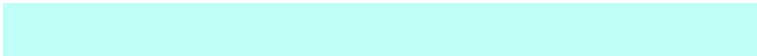


# Same Dimension

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



62.4910, 73.4526, 83.5584



74.3073, 89.4282, 102.4415



58.2803, 63.9099, 85.6115



14.7393, 16.3092, 18.1580



22.3561, 34.5746, 38.7052



1.6708, 2.5624, 2.9588



# Inverse Universe

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



59.6071, 55.1129, 55.6434



70.1062, 62.7031, 61.7701



63.1475, 63.0479, 54.1900



14.4377, 14.3923, 15.2395



18.5892, 9.5699, 1.4659

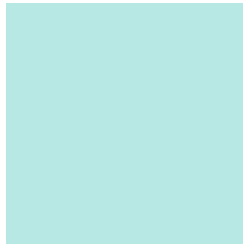


1.3944, 0.7155, 0.2172



# Previews

## White Background



This preview shows how the XYZ color 62.4889, 73.4496, 83.5567 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

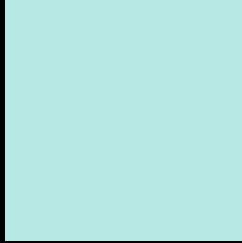
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.4889, 73.4496, 83.5567 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

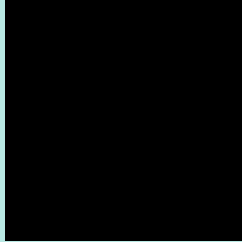
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

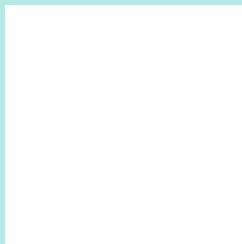
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 62.4889, 73.4496, 83.5567**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.4889, 73.4496, 83.5567.



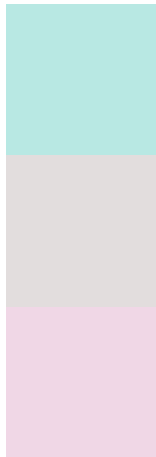
This preview shows how white text looks on a background with the XYZ color 62.4889, 73.4496,



# 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

62.4889, 73.4496, 83.5567

### Protanopia

70.2716, 73.1021, 78.8130

### Deuteranopia

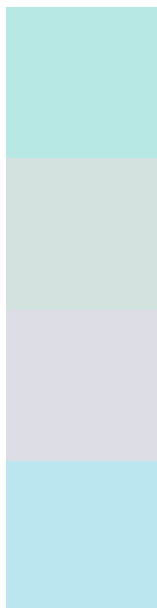
74.5185, 72.8393, 84.9948



## Tritanopia

65.5468, 73.4454, 98.7174

# Trichromacy



## Original Color

62.4889, 73.4496, 83.5567

## Protanomaly

67.1085, 73.0270, 80.3707

## Deuteranomaly

69.5145, 72.5857, 84.4754

## Tritanomaly

64.5185, 73.4497, 93.2148

# Monochromacy



## Original Color

62.4889, 73.4496, 83.5567

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

64.3493, 70.4421, 78.6117

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.4889, 73.4496, 83.5567 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(184, 232, 227)` looks like.

```
.text, #text, p{  
    color:rgb(184, 232, 227)  
}
```

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(184, 232, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 232, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 62.4889, 73.4496, 83.5567 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(184, 232, 227) }
```



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

```
.border{ border-color:rgb(184, 232, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 232, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 232, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 232, 227);  
box-shadow:4px 4px 4px 4px rgb(184, 232,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.4889, 73.4496, 83.5567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 232, 227) }
```

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

```
.background{ background-color: rgb(184,  
232, 227) }
```

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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