

# Converting Colors

XYZ(61.9922, 72.0237, 82.3620)

Have a look what the booklet for  
XYZ(61.9922, 72.0237, 82.3620)  
contains.

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# Color

**XYZ(61.9965, 71.9687,  
82.5753)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAE5E2
RGB	186, 229, 226
RGB Percent	73%, 90%, 89%
CMY	0.2706, 0.1019, 0.1137
CMYK	0.19, 0.00, 0.01, 0.10
HSL	176°, 45%, 81%
HSV	176°, 19%, 90%
XYZ	61.9965, 71.9687, 82.5753
YIQ	215.8010, -24.6650, -10.0490

# Conversions

## Conversions Part 2

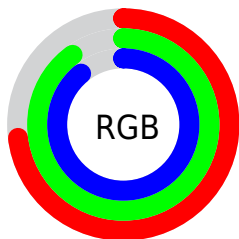
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	186, 208, 229
Decimal	12248546
CIE <sub>Lab</sub>	87.95, -14.45, -3.16
CIE <sub>LCh</sub>	88, 14.793, 192.321
Yxy	71.9687, 0.2863, 0.3324
Android (android.graphics.Color)	4290438626 (0xFFBAE5E2)
YUV	215.8010, 5.0281, -26.1355
Hunter-Lab	84.8344, -18.0133, 1.6729

# Details

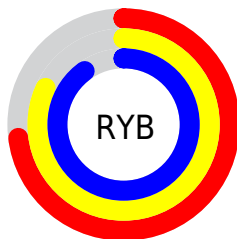
The XYZ color **61.9965, 71.9687, 82.5753** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.0599, 55.4520, 55.7377**, and the grayscale version is **65.1154, 68.5065, 74.6035**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **31.8100, 37.7329, 44.1347** is the 20% darker color. If you saturate the color by 10%, you get **56.6549, 69.2422, 81.1865**, and if you desaturate by 10%, it is **68.2358, 75.1616, 84.0198**.

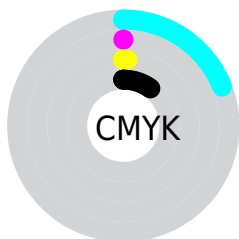
# Distribution



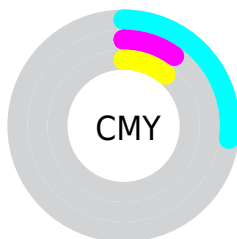
- Red (73%)
- Green (90%)
- Blue (89%)



- Red (73%)
- Yellow (82%)
- Blue (90%)



- Cyan (19%)
- Magenta (0%)
- Yellow (1%)
- Black (10%)



- Cyan (27%)
- Magenta (10%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.9965, 71.9687, 82.5753 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 61.9965, 71.9687, 82.5753 by changing the saturation by 10% instead.



61.9965, 71.9687,  
82.5753

61.9965, 71.9687,  
82.5753

421.6361,  
467.4326, 523.5039

45.2855, 53.1331,  
61.3013

106.8104,  
122.0120, 138.8244

31.8846, 37.9090,  
44.0362

135.6440,  
153.9886, 174.6365

21.4285, 25.9121,  
30.3616

169.2492,  
191.1142, 216.1318

13.5518, 16.7579,  
19.8588

207.9913,  
233.7733, 263.7287

7.8892, 10.0620,  
12.1094

252.2357,  
282.3503, 317.8459

4.0753, 5.4401,  
6.6948

302.3477,

1.7448, 2.5077,

337.2296, 378.9017

3.1964

358.6927,  
398.7956, 447.3149

■ 0.4841, 0.8805,  
1.1958

■ 0.0000, 0.0000,  
0.0000

■ 61.9965, 71.9687,  
82.5753

■ 61.9965, 71.9687,  
82.5753

■ 56.6549, 69.2422,  
81.1865

■ 68.2358, 75.1616,  
84.0198

■ 52.1626, 66.9513,  
79.8466


■ 75.4063, 78.8324,  
85.5171


■ 48.4756, 65.0753,  
78.5550


■ 83.5472, 83.0032,  
87.0706


■ 45.5438, 63.5885,  
77.3094


■ 83.8828, 83.1500,  
88.2695


 43.3116, 62.4620,  
76.1071


 84.1115, 83.2416,  
89.4743


 41.7153, 61.6631,  
74.9450


 84.3424, 83.3339,  
90.6899


 40.6799, 61.1532,  
73.8198

 84.5753, 83.4271,  
91.9166

 40.0923, 60.8739,  
72.7259

 84.8104, 83.5211,  
93.1542

 40.0324, 60.8459,  
72.5935

 85.0475, 83.6159,  
94.4028

# Harmonies

## Analogous

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



62.1501, 71.9687, 72.6159



61.9965, 71.9687, 82.5753



63.5162, 71.9687, 92.1645

# Triad

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



61.9965, 71.9687, 82.5753



73.0676, 71.9687, 93.6009



70.4822, 71.9687, 61.2910

# Complementary

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



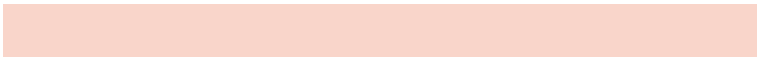
61.9965, 71.9687, 82.5753



59.0599, 55.4520, 55.7377

# 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.



73.5366, 71.9687, 66.0107



61.9965, 71.9687, 82.5753



75.0641, 71.9687, 84.4029

# Square

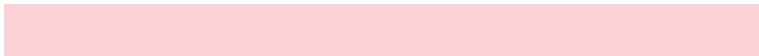
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



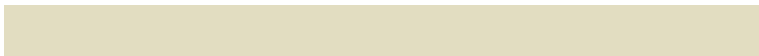
61.9965, 71.9687, 82.5753



69.8600, 71.9687, 98.8869



75.2386, 71.9687, 74.2939



66.9686, 71.9687, 60.8934

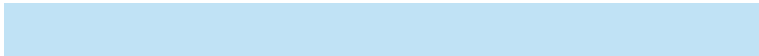


# Rectangle

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



61.9965, 71.9687, 82.5753



65.3051, 71.9687, 96.8303



75.2386, 71.9687, 74.2939



71.5996, 71.9687, 62.4047

# Sweetspot

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



61.9986, 71.9717, 82.5769



89.4718, 97.1442, 107.7435



58.0157, 70.4804, 57.0021



19.0264, 20.7292, 23.0349



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

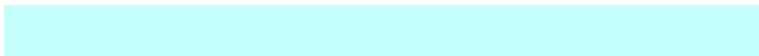


# Same Dimension

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



61.9986, 71.9717, 82.5769



76.0136, 90.2618, 104.6036



57.7097, 62.7286, 83.1983



14.7617, 16.3181, 18.2760



22.9062, 34.7946, 41.6018



1.7058, 2.5764, 3.1433



# Inverse Universe

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



59.0599, 55.4520, 55.7377



71.5365, 65.0889, 63.7102



62.7516, 63.3518, 55.3765



14.4176, 14.3842, 15.1336



18.5443, 9.5519, 1.2293

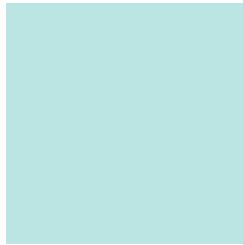


1.3848, 0.7116, 0.1666



# Previews

## White Background



This preview shows how the XYZ color 61.9965, 71.9687, 82.5753 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

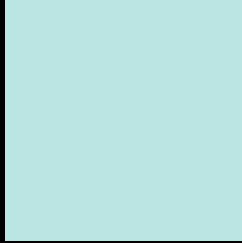
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.9965, 71.9687, 82.5753 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

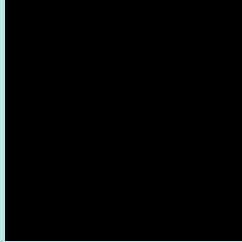
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 61.9965, 71.9687, 82.5753

## Background



This preview shows how black text looks on a background with the XYZ color 61.9965, 71.9687, 82.5753.



This preview shows how white text looks on a background with the XYZ color 61.9965, 71.9687,



# 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

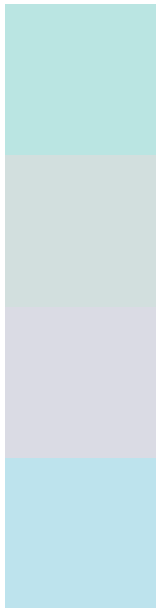




## Tritanopia

64.7607, 71.8715, 96.0473

# Trichromacy



## Original Color

61.9965, 71.9687, 82.5753

## Protanomaly

66.1508, 71.7509, 79.4700

## Deuteranomaly

68.2486, 71.1699, 83.5389

## Tritanomaly

63.7414, 71.8714, 90.6338

# Monochromacy



## Original Color

61.9965, 71.9687, 82.5753

## Achromatopsia

65.2694, 68.6685, 74.7800

## Achromatomaly

63.9516, 69.8593, 77.8237

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.9965, 71.9687, 82.5753 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(186, 229, 226)` looks like.

```
.text, #text, p{  
    color:rgb(186, 229, 226)  
}
```

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(186, 229, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 229, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 61.9965, 71.9687, 82.5753 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(186, 229, 226) }
```



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

```
.border{ border-color:rgb(186, 229, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 229, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 229, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 229, 226); box-shadow:4px 4px 4px 4px rgb(186, 229, 226) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.9965, 71.9687, 82.5753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 229, 226) }
```

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

```
.background{ background-color: rgb(186,  
229, 226) }
```

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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