

Converting Colors

XYZ(61.6168, 70.8554, 83.8584)

Have a look what the booklet for
XYZ(61.6168, 70.8554, 83.8584)
contains.

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Color

**XYZ(61.7224, 70.9787,
83.8459)**

Conversions

Conversions Part 1

Format	Color
Hex	BAE3E4
RGB	186, 227, 228
RGB Percent	73%, 89%, 89%
CMY	0.2706, 0.1098, 0.1059
CMYK	0.18, 0.00, 0.00, 0.11
HSL	181°, 44%, 81%
HSV	181°, 18%, 89%
XYZ	61.7224, 70.9787, 83.8459
YIQ	214.8550, -24.7570, -8.3810

Conversions

Conversions Part 2

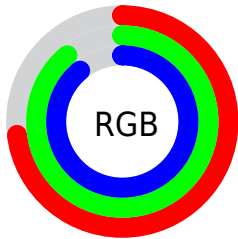
Format	Color
R _{YB}	186, 207, 228
Decimal	12248036
CIE Lab	87.47, -13.03, -4.91
CIE LCh	87, 13.923, 200.662
Yxy	70.9787, 0.2850, 0.3278
Android (android.graphics.Color)	4290438116 (0xFFBAE3E4)
YUV	214.8550, 6.4805, -25.3058
Hunter-Lab	84.2489, -16.6628, -0.0322

Details

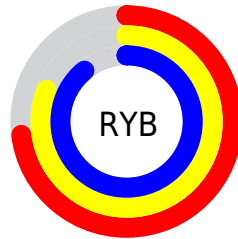
The XYZ color **61.7224, 70.9787, 83.8459** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.6288, 55.5799, 54.0937**, and the grayscale version is **64.4644, 67.8216, 73.8577**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **31.8111, 37.4277, 45.0828** is the 20% darker color. If you saturate the color by 10%, you get **56.4721, 68.0545, 83.5593**, and if you desaturate by 10%, it is **67.8611, 74.3653, 84.1772**.

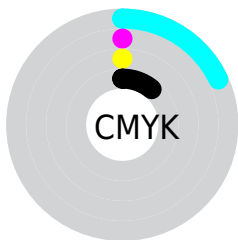
Distribution



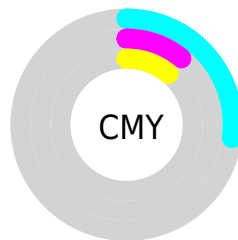
- Red (73%)
- Green (89%)
- Blue (89%)



- Red (73%)
- Yellow (81%)
- Blue (89%)



- Cyan (18%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.7224, 70.9787, 83.8459 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 61.7224, 70.9787, 83.8459 by changing the saturation by 10% instead.

■ 61.7224, 70.9787,
83.8459

■ 61.7224, 70.9787,
83.8459

420.6515,
463.9790, 527.8460

■ 45.0632, 52.3248,
62.3436

■ 106.4164,
120.6034, 140.6194

■ 31.7087, 37.2640,
44.8728

135.1819,
152.3430, 176.7276

■ 21.2936, 25.4120,
31.0150

168.7136,
189.2133, 218.5416

■ 13.4524, 16.3843,
20.3517

207.3768,
231.5987, 266.4798

■ 7.8200, 9.7965,
12.4644

251.5368,
279.8835, 320.9608

■ 4.0308, 5.2642,
6.9344

301.5590,

■ 1.7196, 2.4031,

334.4523, 382.4032

3.3433

357.8088,
395.6893, 451.2254

■ 0.4685, 0.8275,
1.2725

■ 0.0000, 0.0000,
0.0391

■ 61.7224, 70.9787,
83.8459

■ 61.7224, 70.9787,
83.8459

■ 56.4721, 68.0545,
83.5593

■ 67.8611, 74.3653,
84.1772

■ 52.0621, 65.5624,
83.3107

■ 74.9211, 78.2256,
84.5502

■ 48.4494, 63.4819,
83.0996

■ 82.9411, 82.5816,
84.9683

■ 45.5845, 61.7876,
82.9236

■ 83.3100, 82.9940,
85.0284

■ 43.4124, 60.4512,
82.7801

■ 83.4602, 83.2942,
85.0785

■ 41.8706, 59.4404,
82.6662

■ 83.6108, 83.5955,
85.1287

■ 40.8856, 58.7173,
82.5786

■ 83.7618, 83.8976,
85.1790

■ 40.3498, 58.2265,
82.5121

■ 83.9134, 84.2007,
85.2295

■ 40.2819, 58.1577,
82.5024

■ 84.0654, 84.5047,
85.2802

Harmonies

Analogous

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



61.4188, 70.9787, 74.3847



61.7224, 70.9787, 83.8459



63.5368, 70.9787, 92.1402

Triad

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



61.7224, 70.9787, 83.8459



72.4686, 70.9787, 89.3306



68.4935, 70.9787, 60.7686

Complementary

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



61.7224, 70.9787, 83.8459



58.6288, 55.5799, 54.0937

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.



71.5479, 70.9787, 64.1168



61.7224, 70.9787, 83.8459



73.8915, 70.9787, 80.2571

Square

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



61.7224, 70.9787, 83.8459



69.7171, 70.9787, 95.4809



73.5492, 70.9787, 71.0732



65.2582, 70.9787, 61.5593

Rectangle

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



61.7224, 70.9787, 83.8459



65.3925, 70.9787, 95.6456



73.5492, 70.9787, 71.0732



69.5770, 70.9787, 61.4365

Sweetspot

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



61.7245, 70.9816, 83.8475



89.5277, 96.9813, 108.6084



56.9320, 69.5022, 57.2615



19.0396, 20.6906, 23.2401



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.



61.7245, 70.9816, 83.8475



76.9133, 90.0217, 107.9299



56.3982, 60.3291, 82.0721



14.7766, 16.2746, 18.5068



23.2731, 33.6082, 47.6436



1.7292, 2.5023, 3.5238

Inverse Universe

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



63.4206, 57.1594, 80.3666



79.4767, 69.1954, 102.6549



63.3419, 65.0061, 55.6647



14.9796, 14.6090, 18.0928



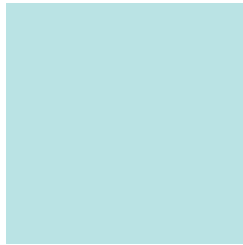
26.1407, 12.5905, 41.2313



1.9364, 0.9323, 3.0717

Previews

White Background



This preview shows how the XYZ color 61.7224, 70.9787, 83.8459 looks on a white background.

Color Contrast Check

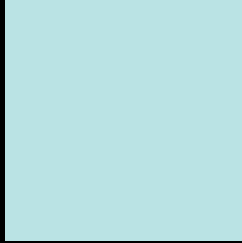
Large Text (above 18pt) WCAG AA × Fail

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 61.7224, 70.9787, 83.8459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

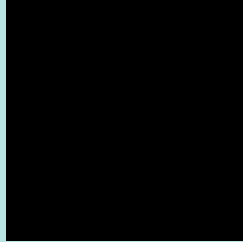
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 61.7224, 70.9787, 83.8459

Background



This preview shows how black text looks on a background with the XYZ color 61.7224, 70.9787, 83.8459.

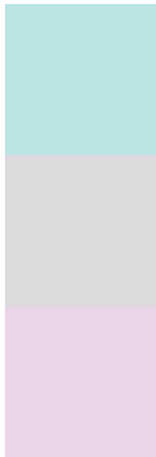


This preview shows how white text looks on a background with the XYZ color 61.7224, 70.9787,

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

61.7224, 70.9787, 83.8459

Protanopia

68.0750, 70.7889, 79.1829

Deuteranopia

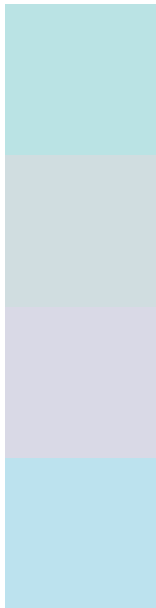
71.8990, 70.3489, 85.3905



Tritanopia

64.0891, 71.1403, 95.1476

Trichromacy



Original Color

61.7224, 70.9787, 83.8459

Protanomaly

65.3234, 70.5046, 80.6868

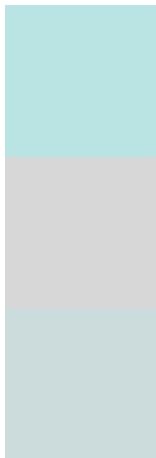
Deuteranomaly

67.7111, 70.0906, 84.8230

Tritanomaly

63.3680, 71.2571, 91.3031

Monochromacy



Original Color

61.7224, 70.9787, 83.8459

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

63.1516, 68.6677, 77.6359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.7224, 70.9787, 83.8459 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, 227, 228)` looks like.

```
.text, #text, p{  
    color:rgb(186, 227, 228)  
}
```

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, 227, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 227, 228) }
```

Border

The CSS property to change the border of an element to XYZ 61.7224, 70.9787, 83.8459 is called "border". The border property can be set on classes, ids or directly on the HTML element.

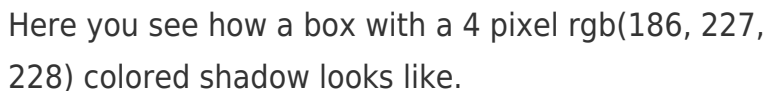
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 227, 228) }
```


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

```
.border{ border-color:rgb(186, 227, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 227, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 227, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 227, 228); box-shadow:4px 4px 4px 4px rgb(186, 227, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 61.7224, 70.9787, 83.8459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 227, 228) }
```

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

```
.background{ background-color: rgb(186,  
227, 228) }
```

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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