

Converting Colors

XYZ(61.6678, 70.1432, 83.6875)

Have a look what the booklet for
XYZ(61.6678, 70.1432, 83.6875)
contains.

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Color

**XYZ(61.6678, 70.1432,
83.6875)**

Conversions

Conversions Part 1

Format	Color
Hex	BCE1E4
RGB	188, 225, 228
RGB Percent	74%, 88%, 89%
CMY	0.2627, 0.1176, 0.1059
CMYK	0.18, 0.01, 0.00, 0.11
HSL	184°, 43%, 82%
HSV	184°, 18%, 89%
XYZ	61.6678, 70.1432, 83.6875
YIQ	214.2790, -23.0150, -6.9110

Conversions

Conversions Part 2

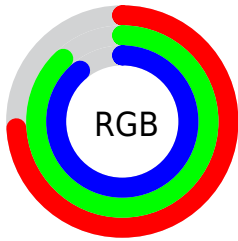
Format	Color
R _Y B	188, 207, 228
Decimal	12378596
CIE Lab	87.07, -11.40, -5.50
CIE LCh	87, 12.656, 205.759
Yxy	70.1432, 0.2862, 0.3255
Android (android.graphics.Color)	4290568676 (0xFFBCE1E4)
YUV	214.2790, 6.7645, -23.0467
Hunter-Lab	83.7515, -15.1324, -0.6186

Details

The XYZ color **61.6678, 70.1432, 83.6875** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **59.7033, 57.3864, 55.5082**, and the grayscale version is **64.0729, 67.4097, 73.4092**.

A 20% lighter version of the original color is **91.4662, 98.1525, 108.7323**, and **31.7491, 36.8349, 44.9717** is the 20% darker color. If you saturate the color by 10%, you get **56.0298, 66.5564, 83.2935**, and if you desaturate by 10%, it is **68.2018, 74.2025, 84.1278**.

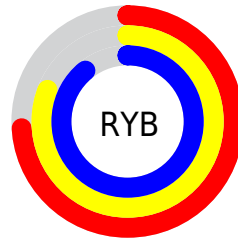
Distribution



Red (74%)

Green (88%)

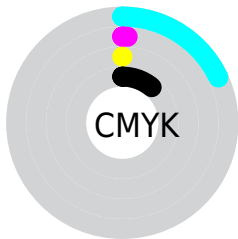
Blue (89%)



Red (74%)

Yellow (81%)

Blue (89%)

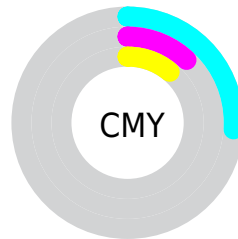


Cyan (18%)

Magenta (1%)

Yellow (0%)

Black (11%)



Cyan (26%)

Magenta (12%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.6678, 70.1432, 83.6875 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 61.6678, 70.1432, 83.6875 by changing the saturation by 10% instead.

■ 61.6678, 70.1432,
83.6875

■ 61.6678, 70.1432,
83.6875

420.4552,
461.0526, 527.3058

■ 45.0189, 51.6433,
62.2136

■ 106.3379,
119.4129, 140.3958

■ 31.6737, 36.7208,
44.7684

135.0898,
150.9516, 176.4672

■ 21.2667, 24.9914,
30.9334

168.6068,
187.6052, 218.2415

■ 13.4327, 16.0707,
20.2901

207.2543,
229.7583, 266.1373

■ 7.8062, 9.5742,
12.4199

251.3974,
277.7952, 320.5731

■ 4.0219, 5.1175,
6.9043

301.4018,

■ 1.7146, 2.3164,

332.1003, 381.9674

3.3248

357.6326,
393.0580, 450.7388

■ 0.4654, 0.7824,
1.2628

■ 0.0000, 0.0000,
0.0310

■ 61.6678, 70.1432,
83.6875

■ 61.6678, 70.1432,
83.6875

■ 56.0298, 66.5564,
83.2935

■ 68.2018, 74.2025,
84.1278

■ 51.2402, 63.4119,
82.9390

■ 75.6645, 78.7455,
84.6113

■ 47.2561, 60.6895,
82.6235

■ 83.5766, 83.5272,
85.1173

■ 44.0284, 58.3639,
82.3447

■ 84.0547, 84.4834,
85.2766

■ 41.5027, 56.4069,
82.1001

■ 84.5375, 85.4489,
85.4376

■ 39.6173, 54.7868,
81.8867

■ 85.0250, 86.4238,
85.6000

■ 38.2998, 53.4661,
81.7013

■ 85.5171, 87.4081,
85.7641

■ 37.4524, 52.3946,
81.5391

■ 86.0140, 88.4019,
85.9297

■ 37.2779, 52.1498,
81.5010

■ 86.5156, 89.4051,
86.0969

Harmonies

Analogous

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



61.1466, 70.1432, 75.1735



61.6678, 70.1432, 83.6875



63.5140, 70.1432, 90.6739

Triad

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



61.6678, 70.1432, 83.6875



71.4912, 70.1432, 85.9290



67.0913, 70.1432, 61.2287

Complementary

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



61.6678, 70.1432, 83.6875



59.7033, 57.3864, 55.5082

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.



69.9268, 70.1432, 63.6626



61.6678, 70.1432, 83.6875



72.5143, 70.1432, 77.5873

Square

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



61.6678, 70.1432, 83.6875



69.1760, 70.1432, 92.0339



71.9336, 70.1432, 69.4995



64.2233, 70.1432, 62.5996

Rectangle

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



61.6678, 70.1432, 83.6875



65.2771, 70.1432, 93.3080



71.9336, 70.1432, 69.4995



68.0806, 70.1432, 61.6238

Sweetspot

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



61.6698, 70.1461, 83.6891



90.2098, 97.0535, 108.5864



57.8509, 69.9263, 59.5474



19.1683, 20.6876, 23.2328



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.



61.6698, 70.1461, 83.6891



76.7519, 88.6867, 107.6807



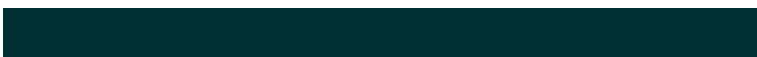
56.6550, 60.1164, 82.0175



14.7102, 16.1418, 18.4847



21.5641, 30.1903, 47.0739



1.6212, 2.2864, 3.4878

Inverse Universe

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



63.5703, 57.8981, 79.0624



79.6424, 70.2077, 100.6106



64.2847, 66.5491, 57.0353



14.9461, 14.5956, 17.9163



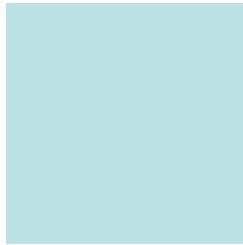
25.2781, 12.2454, 36.6889



1.8819, 0.9105, 2.7848

Previews

White Background



This preview shows how the XYZ color 61.6678, 70.1432, 83.6875 looks on a white background.

Color Contrast Check

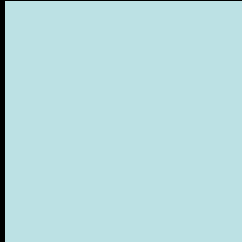
Large Text (above 18pt) WCAG AA × Fail

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 61.6678, 70.1432, 83.6875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

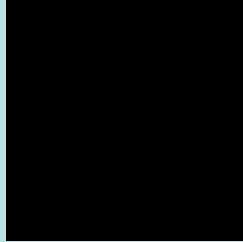
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 61.6678, 70.1432, 83.6875

Background



This preview shows how black text looks on a background with the XYZ color 61.6678, 70.1432, 83.6875.

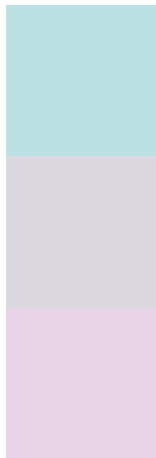


This preview shows how white text looks on a background with the XYZ color 61.6678, 70.1432, 83.6875.

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

61.6678, 70.1432, 83.6875

Protanopia

67.3903, 69.6551, 79.7050

Deuteranopia

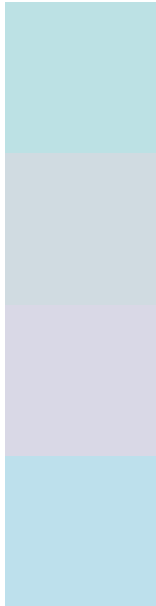
71.3223, 69.6817, 85.2921



Tritanopia

63.5001, 70.0734, 93.3978

Trichromacy



Original Color

61.6678, 70.1432, 83.6875

Protanomaly

64.9345, 69.5092, 81.2284

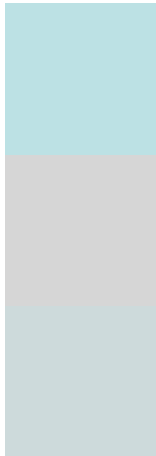
Deuteranomaly

67.4541, 69.5766, 84.7373

Tritanomaly

62.7822, 70.1863, 89.5952

Monochromacy



Original Color

61.6678, 70.1432, 83.6875

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.0344, 68.2364, 76.8665

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.6678, 70.1432, 83.6875 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(188, 225, 228)` looks like.

```
.text, #text, p{  
    color:rgb(188, 225, 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(188, 225, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 225, 228) }
```

Border

The CSS property to change the border of an element to XYZ 61.6678, 70.1432, 83.6875 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(188, 225, 228) }
```


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

```
.border{ border-color:rgb(188, 225, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 225, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 225, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 225, 228);  
box-shadow:4px 4px 4px 4px rgb(188, 225,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 61.6678, 70.1432, 83.6875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 225, 228) }
```

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

```
.background{ background-color: rgb(188,  
225, 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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