

Converting Colors

XYZ(61.3006, 70.5015, 82.5678)

Have a look what the booklet for
XYZ(61.3006, 70.5015, 82.5678)
contains.

XYZ(61.1735, 70.3228, 82.3010)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(61.1735, 70.3228,
82.3010)**

Conversions

Conversions Part 1

Format	Color
Hex	BAE2E2
RGB	186, 226, 226
RGB Percent	73%, 89%, 89%
CMY	0.2706, 0.1137, 0.1137
CMYK	0.18, 0.00, 0.00, 0.11
HSL	180°, 41%, 81%
HSV	180°, 18%, 89%
XYZ	61.1735, 70.3228, 82.3010
YIQ	214.0400, -23.8400, -8.4800

Conversions

Conversions Part 2

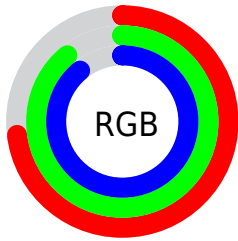
Format	Color
R_{YB}	186, 206, 226
Decimal	12247778
CIE _{Lab}	87.15, -12.94, -4.33
CIE _{LCh}	87, 13.643, 198.510
Yxy	70.3228, 0.2861, 0.3289
Android (android.graphics.Color)	4290437858 (0xFFBAE2E2)
YUV	214.0400, 5.8963, -24.5911
Hunter-Lab	83.8587, -16.5400, 0.5124

Details

The XYZ color **61.1735, 70.3228, 82.3010** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.7883, 54.8336, 53.9955**, and the grayscale version is **63.9181, 67.2468, 73.2318**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **31.4293, 36.9716, 44.0078** is the 20% darker color. If you saturate the color by 10%, you get **56.1117, 67.7152, 82.0644**, and if you desaturate by 10%, it is **67.1077, 73.3838, 82.5814**.

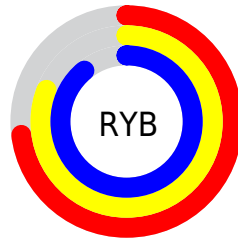
Distribution



Red (73%)

Green (89%)

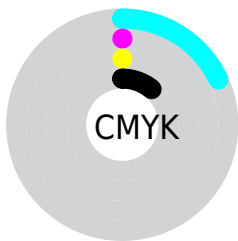
Blue (89%)



Red (73%)

Yellow (81%)

Blue (89%)

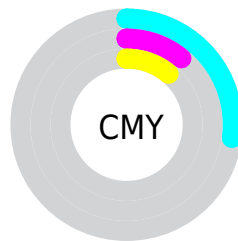


Cyan (18%)

Magenta (0%)

Yellow (0%)

Black (11%)



Cyan (27%)

Magenta (11%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.1735, 70.3228, 82.3010 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 61.1735, 70.3228, 82.3010 by changing the saturation by 10% instead.

61.1735, 70.3228,
82.3010

61.1735, 70.3228,
82.3010

418.6756,
461.6826, 522.5638

44.6183, 51.7897,
61.0764

105.6268,
119.6690, 138.4365

31.3569, 36.8375,
43.8559

134.2556,
151.2509, 174.1845

21.0239, 25.0817,
30.2209

167.6396,
187.9512, 215.6107

13.2540, 16.1379,
19.7528

206.1442,
230.1543, 263.1336

7.6819, 9.6218,
12.0332

250.1348,
278.2446, 317.1719

3.9422, 5.1489,
6.6435

299.9766,

1.6695, 2.3349,

332.6065, 378.1440

3.1651

356.0351,
393.6244, 446.4684

■ 0.4370, 0.7921,
1.1795

■ 0.0000, 0.0000,
0.0000

■ 61.1735, 70.3228,
82.3010

■ 61.1735, 70.3228,
82.3010

■ 56.1117, 67.7152,
82.0644

■ 67.1077, 73.3838,
82.5814

■ 51.8756, 65.5314,
81.8649

■ 73.9464, 76.9093,
82.9027

■ 48.4231, 63.7517,
81.7021

■ 81.7272, 80.9204,
83.2681

■ 45.7063, 62.3511,
81.5737

■ 82.1663, 81.1467,
83.2899

■ 43.6718, 61.3023,
81.4772

■ 82.1665, 81.1468,
83.2911

■ 42.2591, 60.5741,
81.4099

■ 82.1667, 81.1469,
83.2924

■ 41.3971, 60.1297,
81.3683

■ 82.1670, 81.1470,
83.2936

■ 40.9885, 59.9191,
81.3479

■ 82.1672, 81.1471,
83.2949

■ 40.9234, 59.8855,
81.3446

■ 82.1674, 81.1472,
83.2961

Harmonies

Analogous

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



60.9899, 70.3228, 73.1130



61.1735, 70.3228, 82.3010



62.8460, 70.3228, 90.5417

Triad

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



61.1735, 70.3228, 82.3010



71.5552, 70.3228, 88.8463



68.0728, 70.3228, 60.5676

Complementary

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



61.1735, 70.3228, 82.3010



57.7883, 54.8336, 53.9955

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.



70.9992, 70.3228, 64.1143



61.1735, 70.3228, 82.3010



73.0521, 70.3228, 80.1334

Square

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



61.1735, 70.3228, 82.3010



68.8121, 70.3228, 94.5235



72.8454, 70.3228, 71.1106



64.9054, 70.3228, 61.0465

Rectangle

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



61.1735, 70.3228, 82.3010



64.6110, 70.3228, 94.1634



72.8454, 70.3228, 71.1106



69.1191, 70.3228, 61.3163

Sweetspot

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



61.1755, 70.3257, 82.3026



90.5137, 97.6615, 108.6869



56.4734, 68.4636, 56.6939



19.2425, 20.8359, 23.2573



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.



61.1755, 70.3257, 82.3026



78.0179, 91.2197, 108.0995



56.2113, 60.3966, 80.6499



14.1166, 15.5724, 17.6492



23.3457, 34.1631, 46.4051



1.6182, 2.3680, 3.2166

Inverse Universe

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



57.7883, 54.8336, 53.9955



72.8278, 67.4819, 64.7257



62.1406, 63.5387, 55.4446



13.7073, 13.7006, 14.2290



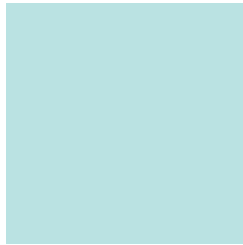
17.8933, 9.2243, 0.8378



1.2403, 0.6394, 0.0581

Previews

White Background



This preview shows how the XYZ color 61.1735, 70.3228, 82.3010 looks on a white background.

Color Contrast Check

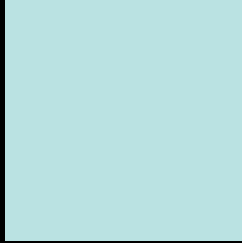
Large Text (above 18pt) WCAG AA × Fail

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 61.1735, 70.3228, 82.3010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

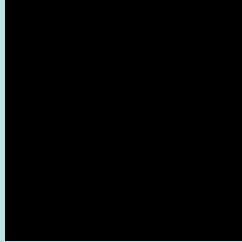
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

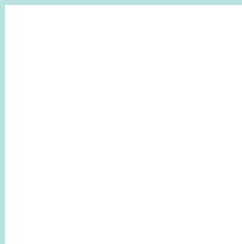
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 61.1735, 70.3228, 82.3010

Background



This preview shows how black text looks on a background with the XYZ color 61.1735, 70.3228, 82.3010.

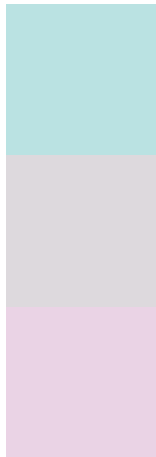


This preview shows how white text looks on a background with the XYZ color 61.1735, 70.3228,

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

61.1735, 70.3228, 82.3010

Protanopia

67.6828, 70.2183, 78.3928

Deuteranopia

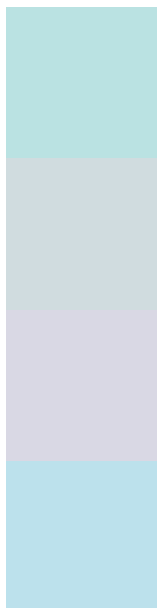
71.3688, 69.7381, 83.8280



Tritanopia

63.5191, 70.4810, 93.4755

Trichromacy



Original Color

61.1735, 70.3228, 82.3010

Protanomaly

64.9249, 69.9240, 79.8868

Deuteranomaly

67.1747, 69.4649, 83.2664

Tritanomaly

62.8046, 70.5979, 89.6735

Monochromacy



Original Color

61.1735, 70.3228, 82.3010

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

62.6281, 68.0421, 76.1623

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.1735, 70.3228, 82.3010 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, 226, 226) looks like.

```
.text, #text, p{  
    color:rgb(186, 226, 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, 226, 226) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 61.1735, 70.3228, 82.3010 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, 226, 226) }
```


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

```
.border{ border-color:rgb(186, 226, 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, 226, 226)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 61.1735, 70.3228, 82.3010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(186,  
226, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor