

Converting Colors

XYZ(58.7392, 71.6475, 78.4331)

Have a look what the booklet for
XYZ(58.7392, 71.6475, 78.4331)
contains.

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Color

**XYZ(58.7881, 71.6512,
78.4417)**

Conversions

Conversions Part 1

Format	Color
Hex	ACE8DC
RGB	172, 232, 220
RGB Percent	67%, 91%, 86%
CMY	0.3255, 0.0902, 0.1372
CMYK	0.26, 0.00, 0.05, 0.09
HSL	168°, 57%, 79%
HSV	168°, 26%, 91%
XYZ	58.7881, 71.6512, 78.4417
YIQ	212.6920, -31.9080, -16.4520

Conversions

Conversions Part 2

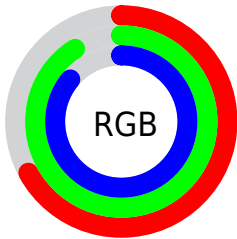
Format	Color
RYB	172, 205, 232
Decimal	11331804
CIELab	87.80, -21.41, -0.32
CIELCh	88, 21.408, 180.870
Yxy	71.6512, 0.2814, 0.3430
Android (android.graphics.Color)	4289521884 (0xFFACE8DC)
YUV	212.6920, 3.6028, -35.6869
Hunter-Lab	84.6470, -24.1625, 4.3094

Details

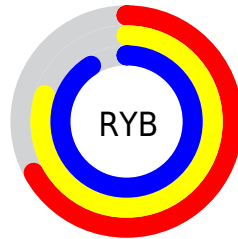
The XYZ color **58.7881, 71.6512, 78.4417** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **56.6854, 50.1234, 52.0374**, and the grayscale version is **63.0337, 66.3164, 72.2185**.

A 20% lighter version of the original color is **86.1231, 95.3980, 108.4822**, and **29.7881, 37.6188, 41.2885** is the 20% darker color. If you saturate the color by 10%, you get **53.5283, 69.0116, 75.0325**, and if you desaturate by 10%, it is **64.9579, 74.7617, 81.9857**.

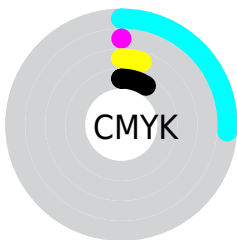
Distribution



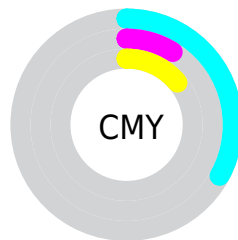
- Red (67%)
- Green (91%)
- Blue (86%)



- Red (67%)
- Yellow (80%)
- Blue (91%)



- Cyan (26%)
- Magenta (0%)
- Yellow (5%)
- Black (9%)





- Cyan (33%)
- Magenta (9%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.7881, 71.6512, 78.4417 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 58.7881, 71.6512, 78.4417 by changing the saturation by 10% instead.


 58.7881, 71.6512,
78.4417

 58.7881, 71.6512,
78.4417


410.0229,
466.3266, 509.2332

 42.6883, 52.8738,
57.9183


 102.1860,
121.5605, 132.9641

 29.8341, 37.7020,
41.3287


130.2148,
153.4612, 167.8002

 19.8601, 25.7515,
28.2544


162.9507,
190.5051, 208.2443

 12.4011, 16.6378,
18.2768

200.7589,
233.0766, 254.7149

 7.0916, 9.9766,
10.9774

244.0049,
281.5601, 307.6305

 3.5663, 5.3835,
5.9377

293.0540,

 1.4598, 2.4740,

336.3400, 367.4098

2.7390

348.2715,
397.8007, 434.4711

■ 0.2982, 0.8636,
0.9630

■ 0.0000, 0.0000,
0.0000

■ 58.7881, 71.6512,
78.4417

■ 58.7881, 71.6512,
78.4417

■ 53.5283, 69.0116,
75.0325

■ 64.9579, 74.7617,
81.9857

■ 49.1261, 66.8103,
71.7502


■ 72.0746, 78.3565,
85.6622


■ 45.5331, 65.0241,
68.5935


■ 80.1804, 82.4592,
89.4755


■ 42.6932, 63.6244,
65.5590


■ 85.6138, 85.1822,
93.2550


 40.5435, 62.5785,
62.6430


 86.3069, 85.4594,
96.9044


 39.0103, 61.8485,
59.8413

 87.0176, 85.7437,
100.6473

 38.0029, 61.3877,
57.1488

 87.7462, 86.0352,
104.4841

 37.6777, 61.2437,
56.0637

 88.1479, 86.1958,
106.5993

Harmonies

Analogous

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



59.9152, 71.6512, 65.1656



58.7881, 71.6512, 78.4417



60.0515, 71.6512, 93.2802

Triad

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



58.7881, 71.6512, 78.4417



73.2422, 71.6512, 104.5979



72.9727, 71.6512, 56.0270

Complementary

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



58.7881, 71.6512, 78.4417



56.6854, 50.1234, 52.0374

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.



76.8423, 71.6512, 64.5150



58.7881, 71.6512, 78.4417



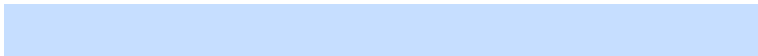
77.0032, 71.6512, 92.4535

Square

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



58.7881, 71.6512, 78.4417



68.2508, 71.6512, 109.4906



78.3518, 71.6512, 77.5918



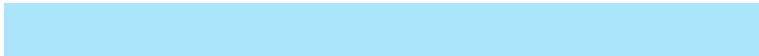
67.9540, 71.6512, 53.2375

Rectangle

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



58.7881, 71.6512, 78.4417



62.1175, 71.6512, 101.8105



78.3518, 71.6512, 77.5918



74.4597, 71.6512, 58.2517

Sweetspot

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



58.7901, 71.6541, 78.4433



87.2889, 96.0741, 105.1435



56.3128, 71.0091, 49.7690



18.3900, 20.4155, 22.3564



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.



58.7901, 71.6541, 78.4433



69.2608, 86.9873, 94.9458



55.8813, 63.2003, 85.6010



14.6774, 16.2844, 17.8319



20.9623, 34.0170, 31.3654



1.5805, 2.5263, 2.4837

Inverse Universe

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



56.6854, 50.1234, 52.0374



66.2438, 56.0864, 57.0661



58.9250, 56.5317, 46.8369



14.4943, 14.4149, 15.5373



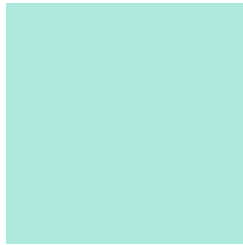
18.7890, 9.6498, 2.5181



1.4211, 0.7262, 0.3582

Previews

White Background



This preview shows how the XYZ color 58.7881, 71.6512, 78.4417 looks on a white background.

Color Contrast Check

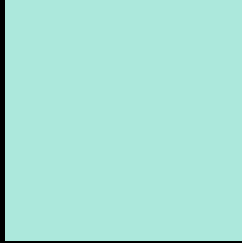
Large Text (above 18pt) WCAG AA × Fail

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 58.7881, 71.6512, 78.4417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

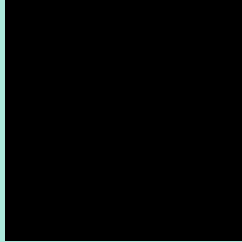
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

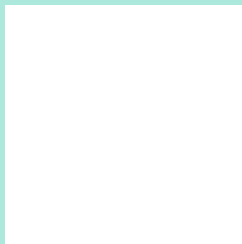
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.7881, 71.6512, 78.4417

Background



This preview shows how black text looks on a background with the XYZ color 58.7881, 71.6512, 78.4417.

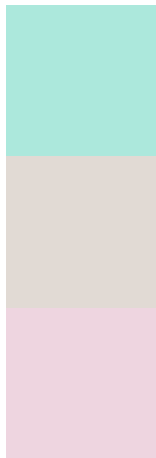


This preview shows how white text looks on a background with the XYZ color 58.7881, 71.6512,

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

58.7881, 71.6512, 78.4417

Protanopia

68.0064, 70.9038, 72.3888

Deuteranopia

72.5087, 71.1475, 80.4322



Tritanopia

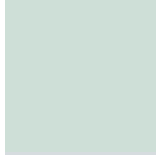
62.7381, 71.6056, 97.7034

Trichromacy



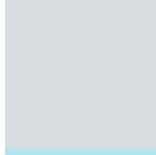
Original Color

58.7881, 71.6512, 78.4417



Protanomaly

64.1070, 70.8035, 74.5776



Deuteranomaly

66.6440, 70.8103, 79.9673



Tritanomaly

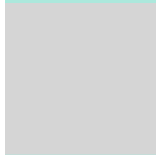
61.2099, 71.3832, 90.6730

Monochromacy



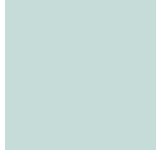
Original Color

58.7881, 71.6512, 78.4417



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

61.2766, 68.1500, 74.8904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.7881, 71.6512, 78.4417 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(172, 232, 220)` looks like.

```
.text, #text, p{  
    color:rgb(172, 232, 220)  
}
```

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(172, 232, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 232, 220) }
```

Border

The CSS property to change the border of an element to XYZ 58.7881, 71.6512, 78.4417 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(172, 232, 220) }
```


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

```
.border{ border-color:rgb(172, 232, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 232, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 232, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 232, 220);  
box-shadow:4px 4px 4px 4px rgb(172, 232,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 58.7881, 71.6512, 78.4417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 232, 220) }
```

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

```
.background{ background-color: rgb(172,  
232, 220) }
```

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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