

# Converting Colors

XYZ(58.7477, 71.3657, 80.3893)

Have a look what the booklet for  
XYZ(58.7477, 71.3657, 80.3893)  
contains.

<b>XYZ(58.6898, 71.1375, 80.4497)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(58.6898, 71.1375,  
80.4497)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABE7DF
RGB	171, 231, 223
RGB Percent	67%, 91%, 87%
CMY	0.3294, 0.0941, 0.1255
CMYK	0.26, 0.00, 0.03, 0.09
HSL	172°, 56%, 79%
HSV	172°, 26%, 91%
XYZ	58.6898, 71.1375, 80.4497
YIQ	212.1480, -33.1920, -15.2080

# Conversions

## Conversions Part 2

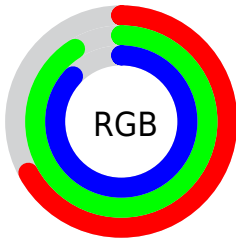
Format	Color
<b>RYB</b>	171, 203, 231
Decimal	11266015
CIELab	87.55, -20.57, -2.27
CIELCh	88, 20.696, 186.299
Yxy	71.1375, 0.2791, 0.3383
Android (android.graphics.Color)	4289456095 (0xFFABE7DF)
YUV	212.1480, 5.3500, -36.0868
Hunter-Lab	84.3430, -23.3918, 2.4870

# Details

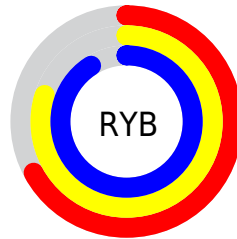
The XYZ color **58.6898, 71.1375, 80.4497** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.6571, 49.3714, 49.2469**, and the grayscale version is **62.6607, 65.9240, 71.7912**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **29.7340, 37.2690, 42.6723** is the 20% darker color. If you saturate the color by 10%, you get **53.6800, 68.6043, 78.0678**, and if you desaturate by 10%, it is **64.5906, 74.1329, 82.9158**.

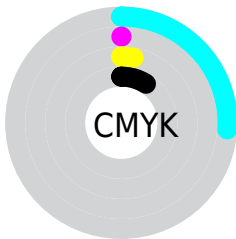
# Distribution



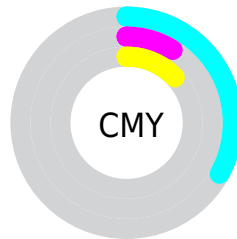
- Red (67%)
- Green (91%)
- Blue (87%)



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



- Cyan (26%)
- Magenta (0%)
- Yellow (3%)
- Black (9%)



- Cyan (33%)
- Magenta (9%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.6898, 71.1375, 80.4497 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 58.6898, 71.1375, 80.4497 by changing the saturation by 10% instead.



■ 58.6898, 71.1375,  
80.4497

■ 58.6898, 71.1375,  
80.4497

409.6639,  
464.5340, 516.1937

■ 42.6089, 52.4544,  
59.5601

■ 102.0439,  
120.8295, 135.8149

■ 29.7715, 37.3674,  
42.6412

130.0478,  
152.6072, 171.1276

■ 19.8125, 25.4921,  
29.2744

162.7567,  
189.5185, 212.0852

■ 12.3663, 16.4441,  
19.0411

200.5359,  
231.9479, 259.1060

■ 7.0676, 9.8389,  
11.5229

243.7509,  
280.2798, 312.6088

■ 3.5511, 5.2923,  
6.3011

292.7670,

■ 1.4515, 2.4198,

334.8985, 373.0120

2.9573

347.9496,  
396.1884, 440.7341

■ 0.2924, 0.8360,  
1.0729

■ 0.0000, 0.0000,  
0.0000

■ 58.6898, 71.1375,  
80.4497

■ 58.6898, 71.1375,  
80.4497

■ 53.6800, 68.6043,  
78.0678

■ 64.5906, 74.1329,  
82.9158

■ 49.5092, 66.5008,  
75.7628

■ 71.4187, 77.6036,  
85.4635

■ 46.1296, 64.8044,  
73.5340

■ 79.2160, 81.5730,  
88.0965

■ 43.4860, 63.4866,  
71.3784

■ 84.8597, 84.4314,  
90.6687

■ 41.5158, 62.5150,  
69.2930

■ 85.3097, 84.6114,  
93.0381

■ 40.1464, 61.8523,  
67.2741

■ 85.7674, 84.7945,  
95.4484

■ 39.2874, 61.4519,  
65.3173

■ 86.2329, 84.9807,  
97.8997

■ 39.0252, 61.3336,  
64.5442

■ 86.7062, 85.1700,  
100.3922

■ 87.1874, 85.3625,  
102.9261

# Harmonies

## Analogous

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



59.3625, 71.1375, 67.1260



58.6898, 71.1375, 80.4497



60.3137, 71.1375, 94.5220

# Triad

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



58.6898, 71.1375, 80.4497



73.3362, 71.1375, 101.2567



71.4655, 71.1375, 55.3178

# Complementary

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



58.6898, 71.1375, 80.4497



55.6571, 49.3714, 49.2469

# 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.



75.4809, 71.1375, 62.5798



58.6898, 71.1375, 80.4497



76.5969, 71.1375, 88.7963

# Square

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



58.6898, 71.1375, 80.4497



68.6512, 71.1375, 107.4333



77.4000, 71.1375, 74.5388



66.5874, 71.1375, 53.6496

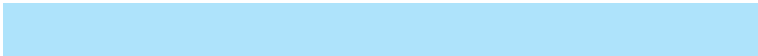


# Rectangle

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



58.6898, 71.1375, 80.4497



62.5286, 71.1375, 102.0964



77.4000, 71.1375, 74.5388



72.9681, 71.1375, 57.1390

# Sweetspot

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



58.6918, 71.1404, 80.4513



87.5040, 96.1601, 106.2763



54.7512, 69.7984, 49.1161



18.4445, 20.4373, 22.6436



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

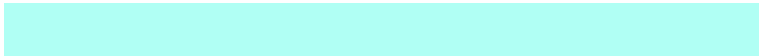


# Same Dimension

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



58.6918, 71.1404, 80.4513



70.0518, 87.3037, 99.1111



54.2671, 60.5231, 84.4266



14.7204, 16.3016, 18.0583



21.9106, 34.3964, 36.3594



1.6422, 2.5510, 2.8083



# Inverse Universe

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



55.6571, 49.3714, 49.2469



65.6710, 55.8573, 54.0502



59.1578, 57.6308, 46.5353



14.4549, 14.3991, 15.3297



18.6379, 9.5894, 1.7223

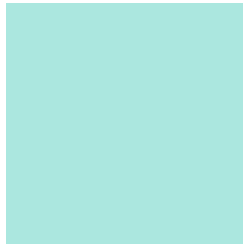


1.4025, 0.7187, 0.2601



# Previews

## White Background



This preview shows how the XYZ color 58.6898, 71.1375, 80.4497 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

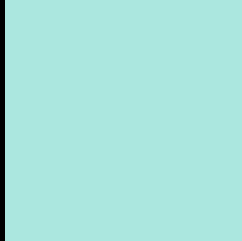
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.6898, 71.1375, 80.4497 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

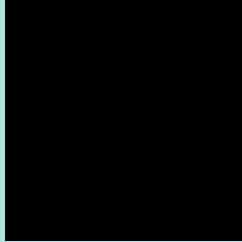
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

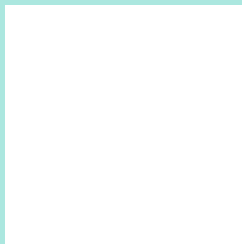
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 58.6898, 71.1375, 80.4497**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.6898, 71.1375, 80.4497.



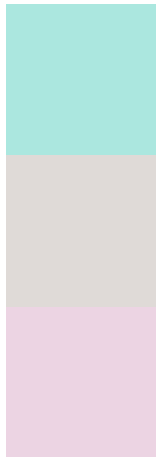
This preview shows how white text looks on a background with the XYZ color 58.6898, 71.1375,



# 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

58.6898, 71.1375, 80.4497

### Protanopia

67.7686, 70.7371, 74.3718

### Deuteranopia

72.0007, 70.4659, 82.4795



## Tritanopia

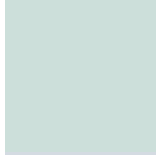
62.2825, 71.3707, 97.6821

# Trichromacy



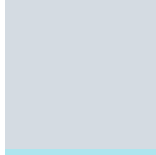
## Original Color

58.6898, 71.1375, 80.4497



## Protanomaly

63.9444, 70.6747, 76.6010



## Deuteranomaly

66.2104, 70.1511, 82.0024



## Tritanomaly

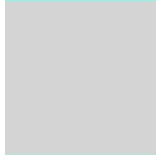
60.9075, 71.2103, 91.4237

# Monochromacy



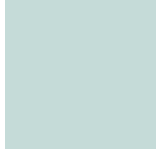
## Original Color

58.6898, 71.1375, 80.4497



## Achromatopsia

62.5785, 65.8375, 71.6970



## Achromatomaly

60.7521, 67.4912, 74.7909

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.6898, 71.1375, 80.4497 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(171, 231, 223)` looks like.

```
.text, #text, p{  
    color:rgb(171, 231, 223)  
}
```

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(171, 231, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 231, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 58.6898, 71.1375, 80.4497 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(171, 231, 223) }
```



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

```
.border{ border-color:rgb(171, 231, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 231, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 231, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 231, 223);  
box-shadow:4px 4px 4px 4px rgb(171, 231,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.6898, 71.1375, 80.4497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 231, 223) }
```

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

```
.background{ background-color: rgb(171,  
231, 223) }
```

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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