

Converting Colors

XYZ(57.8344, 64.4090, 77.9973)

Have a look what the booklet for
XYZ(57.8344, 64.4090, 77.9973)
contains.

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Color

**XYZ(57.8451, 64.3861,
77.7856)**

Conversions

Conversions Part 1

Format	Color
Hex	BBD7DD
RGB	187, 215, 221
RGB Percent	73%, 84%, 87%
CMY	0.2667, 0.1568, 0.1333
CMYK	0.15, 0.03, 0.00, 0.13
HSL	191°, 33%, 80%
HSV	191°, 15%, 87%
XYZ	57.8451, 64.3861, 77.7856
YIQ	207.3120, -18.6140, -4.0700

Conversions

Conversions Part 2

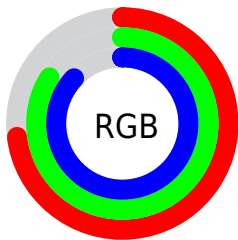
Format	Color
R _{YB}	187, 202, 221
Decimal	12310493
CIE Lab	84.17, -8.03, -6.09
CIE LCh	84, 10.079, 217.169
Yxy	64.3861, 0.2892, 0.3219
Android (android.graphics.Color)	4290500573 (0xFFBBD7DD)
YUV	207.3120, 6.7482, -17.8136
Hunter-Lab	80.2409, -11.7423, -1.3071

Details

The XYZ color **57.8451, 64.3861, 77.7856** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.8589, 57.0999, 54.9868**, and the grayscale version is **59.4772, 62.5747, 68.1438**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **29.1266, 32.8813, 40.8880** is the 20% darker color. If you saturate the color by 10%, you get **51.8687, 59.8507, 77.2262**, and if you desaturate by 10%, it is **64.6809, 69.4030, 78.3947**.

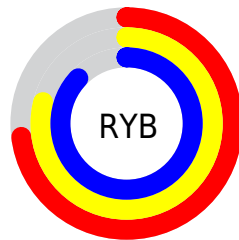
Distribution



Red (73%)

Green (84%)

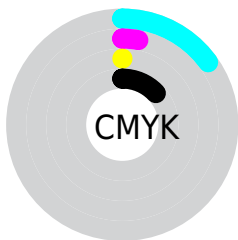
Blue (87%)



Red (73%)

Yellow (79%)

Blue (87%)

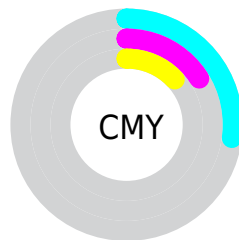


Cyan (15%)

Magenta (3%)

Yellow (0%)

Black (13%)



Cyan (27%)

Magenta (16%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.8451, 64.3861, 77.7856 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 57.8451, 64.3861, 77.7856 by changing the saturation by 10% instead.

■ 57.8451, 64.3861,
77.7856

■ 57.8451, 64.3861,
77.7856

406.5717,
440.5826, 506.9470

■ 41.9269, 46.9635,
57.3825

■ 100.8215,
111.1668, 132.0310

■ 29.2349, 33.0068,
40.9010

128.6105,
141.2936, 166.7103

■ 19.4038, 22.1316,
27.9226

161.0870,
176.4240, 206.9854

■ 12.0681, 13.9537,
18.0288

198.6166,
216.9423, 253.2749

■ 6.8626, 8.0884,
10.8010

241.5644,
263.2329, 305.9972

■ 3.4219, 4.1516,
5.8207

290.2960,

■ 1.3806, 1.7587,

315.6802, 365.5710

2.6693

345.1766,
374.6687, 432.4147

■ 0.2423, 0.4612,
0.9279

■ 0.0000, 0.0000,
0.0000

■ 57.8451, 64.3861,
77.7856

■ 57.8451, 64.3861,
77.7856

■ 51.8687, 59.8507,
77.2262

■ 64.6809, 69.4030,
78.3947

■ 46.7081, 55.7691,
76.7104

■ 72.4062, 74.9121,
79.0509

■ 42.3240, 52.1224,
76.2376

■ 81.0564, 80.9336,
79.7573

■ 38.6718, 48.8874,
75.8056

■ 82.7546, 83.4071,
80.1452

■ 35.7022, 46.0385,
75.4122

■ 83.8554, 85.6086,
80.5121

■ 33.3596, 43.5466,
75.0547

■ 84.9805, 87.8589,
80.8871

■ 31.5793, 41.3783,
74.7300

■ 86.1303, 90.1585,
81.2704

■ 30.2820, 39.4923,
74.4344

■ 87.3048, 92.5075,
81.6619

■ 29.7834, 38.6846,
74.3048

■ 88.5042, 94.9064,
82.0617

Harmonies

Analogous

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



57.0426, 64.3861, 71.6485



57.8451, 64.3861, 77.7856



59.5492, 64.3861, 82.0372

Triad

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



57.8451, 64.3861, 77.7856



65.2326, 64.3861, 74.9766



60.6638, 64.3861, 58.6191

Complementary

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



57.8451, 64.3861, 77.7856



57.8589, 57.0999, 54.9868

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.



62.8751, 64.3861, 59.3907



57.8451, 64.3861, 77.7856



65.5485, 64.3861, 68.5849

Square

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



57.8451, 64.3861, 77.7856



63.8230, 64.3861, 80.3480



64.6761, 64.3861, 62.9484



58.6441, 64.3861, 60.7727

Rectangle

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



57.8451, 64.3861, 77.7856



60.9856, 64.3861, 83.0929



64.6761, 64.3861, 62.9484



61.4090, 64.3861, 58.5472

Sweetspot

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



57.8470, 64.3888, 77.7870



89.8006, 96.2350, 108.4500



55.9396, 66.1142, 60.0716



19.0685, 20.4880, 23.1995



0.0000, 0.0000, 0.0000



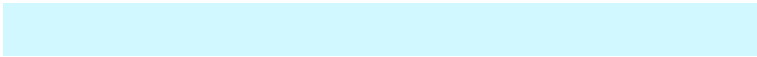
20.3446, 21.4041, 23.3091

Same Dimension

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



57.8470, 64.3888, 77.7870



77.6042, 87.2527, 107.3590



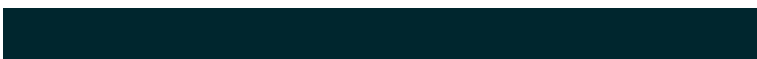
53.8162, 56.3272, 76.4435



13.2393, 14.4184, 16.7374



17.3763, 22.6220, 43.1891



1.1780, 1.5702, 2.8154

Inverse Universe

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



59.8563, 55.8205, 71.9127



80.8387, 73.6195, 97.8673



61.7539, 64.8899, 56.2852



13.5107, 13.2334, 15.9504



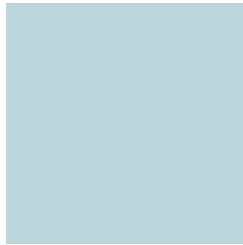
22.2661, 10.9075, 26.8449



1.4689, 0.7172, 1.8782

Previews

White Background



This preview shows how the XYZ color 57.8451, 64.3861, 77.7856 looks on a white background.

Color Contrast Check

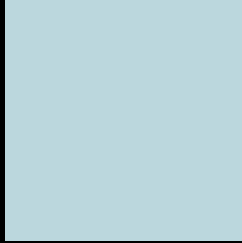
Large Text (above 18pt) WCAG AA × Fail

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 57.8451, 64.3861, 77.7856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

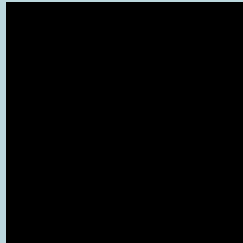
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

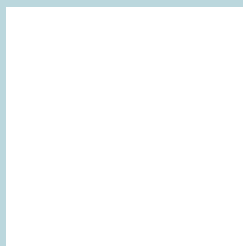
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 57.8451, 64.3861, 77.7856

Background



This preview shows how black text looks on a background with the XYZ color 57.8451, 64.3861, 77.7856.



This preview shows how white text looks on a background with the XYZ color 57.8451, 64.3861,

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

57.8451, 64.3861, 77.7856

Protanopia

61.9442, 63.9704, 74.7283

Deuteranopia

65.4157, 63.8869, 78.6957



Tritanopia

59.4566, 64.6815, 84.9524

Trichromacy



Original Color

57.8451, 64.3861, 77.7856

Protanomaly

60.3063, 64.2070, 75.5444

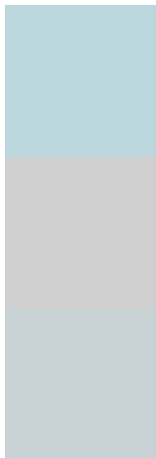
Deuteranomaly

62.3616, 63.7485, 78.1251

Tritanomaly

58.6507, 64.3306, 81.9989

Monochromacy



Original Color

57.8451, 64.3861, 77.7856

Achromatopsia

59.3074, 62.3960, 67.9493

Achromatomaly

58.7497, 63.1260, 71.3755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.8451, 64.3861, 77.7856 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(187, 215, 221)` looks like.

```
.text, #text, p{  
    color:rgb(187, 215, 221)  
}
```

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(187, 215, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 215, 221) }
```

Border

The CSS property to change the border of an element to XYZ 57.8451, 64.3861, 77.7856 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(187, 215, 221) }
```


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

```
.border{ border-color:rgb(187, 215, 221) }
```

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

Here you see how a box with a 4 pixel rgb(187, 215, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 215, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 215, 221);  
box-shadow:4px 4px 4px 4px rgb(187, 215,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 57.8451, 64.3861, 77.7856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 215, 221) }
```

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

```
.background{ background-color: rgb(187,  
215, 221) }
```

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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