

Converting Colors

XYZ(58.5960, 71.4492, 72.8884)

Have a look what the booklet for
XYZ(58.5960, 71.4492, 72.8884)
contains.

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Color

**XYZ(58.5910, 71.2524,
72.9524)**

Conversions

Conversions Part 1

Format	Color
Hex	B1E7D4
RGB	177, 231, 212
RGB Percent	69%, 91%, 83%
CMY	0.3059, 0.0941, 0.1686
CMYK	0.23, 0.00, 0.08, 0.09
HSL	159°, 53%, 80%
HSV	159°, 23%, 91%
XYZ	58.5910, 71.2524, 72.9524
YIQ	212.6880, -26.0850, -17.3570

Conversions

Conversions Part 2

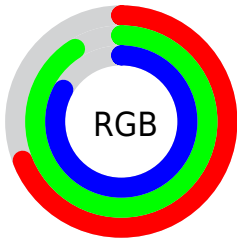
Format	Color
RYB	177, 210, 231
Decimal	11659220
CIELab	87.61, -21.05, 3.63
CIELCh	88, 21.360, 170.226
Yxy	71.2524, 0.2889, 0.3514
Android (android.graphics.Color)	4289849300 (0xFFB1E7D4)
YUV	212.6880, -0.3392, -31.2984
Hunter-Lab	84.4111, -23.8200, 7.8464

Details

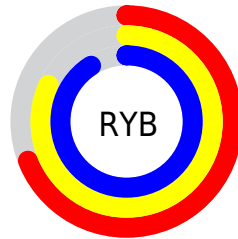
The XYZ color **58.5910, 71.2524, 72.9524** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.6434, 52.4205, 59.2547**, and the grayscale version is **63.0537, 66.3374, 72.2414**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **29.5842, 37.3052, 37.5397** is the 20% darker color. If you saturate the color by 10%, you get **52.7687, 68.3684, 67.4621**, and if you desaturate by 10%, it is **65.3596, 74.6221, 78.7595**.

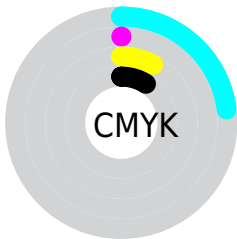
Distribution



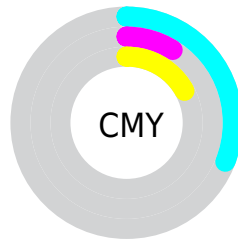
- Red (69%)
- Green (91%)
- Blue (83%)



- Red (69%)
- Yellow (82%)
- Blue (91%)



- Cyan (23%)
- Magenta (0%)
- Yellow (8%)
- Black (9%)



- Cyan (31%)
- Magenta (9%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.5910, 71.2524, 72.9524 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 58.5910, 71.2524, 72.9524 by changing the saturation by 10% instead.

■ 58.5910, 71.2524,
72.9524

■ 58.5910, 71.2524,
72.9524

409.3030,
464.9353, 489.9162

■ 42.5291, 52.5482,
53.4455

■ 101.9010,
120.9930, 125.1299

■ 29.7087, 37.4422,
37.7683

129.8798,
152.7983, 158.6376

■ 19.7646, 25.5501,
25.5025

162.5616,
189.7393, 197.6492

■ 12.3313, 16.4873,
16.2294

200.3118,
232.2005, 242.5834

■ 7.0435, 9.8697,
9.5305

243.4956,
280.5664, 293.8586

■ 3.5359, 5.3126,
4.9873

292.4785,

■ 1.4431, 2.4318,

335.2211, 351.8935

2.1812

347.6259,
396.5493, 417.1065

■ 0.2866, 0.8422,
0.6635

■ 0.0000, 0.0000,
0.0000

■ 58.5910, 71.2524,
72.9524

■ 58.5910, 71.2524,
72.9524

■ 52.7687, 68.3684,
67.4621

■ 65.3596, 74.6221,
78.7595

■ 47.8412, 65.9378,
62.2778


■ 73.1108, 78.4905,
84.8845

■ 43.7609, 63.9381,
57.3947


■ 81.8865, 82.8809,
91.3345


■ 40.4733, 62.3415,
52.8063


■ 86.2250, 84.9776,
97.8577


 37.9175, 61.1164,
48.5054

 87.4904, 85.4837,
104.5216

 36.0228, 60.2267,
44.4844

 87.8672, 85.6345,
106.5057

 34.7040, 59.6285,
40.7349

 34.0595, 59.3474,
38.3949

Harmonies

Analogous

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



60.5258, 71.2524, 61.1042



58.5910, 71.2524, 72.9524



59.0080, 71.2524, 87.6067

Triad

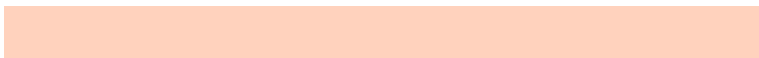
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



58.5910, 71.2524, 72.9524



71.1387, 71.2524, 106.7359



74.1324, 71.2524, 58.0975

Complementary

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



58.5910, 71.2524, 72.9524



58.6434, 52.4205, 59.2547

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.



77.2570, 71.2524, 68.3524



58.5910, 71.2524, 72.9524



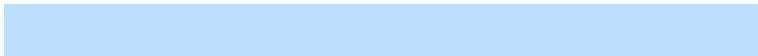
75.4699, 71.2524, 96.7835

Square

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



58.5910, 71.2524, 72.9524



66.0869, 71.2524, 108.3672



77.7583, 71.2524, 82.4029



69.3864, 71.2524, 53.2601

Rectangle

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



58.5910, 71.2524, 72.9524



60.5715, 71.2524, 96.9785



77.7583, 71.2524, 82.4029



75.4170, 71.2524, 60.9609

Sweetspot

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



58.5930, 71.2553, 72.9540



87.7902, 96.3724, 103.3674



59.4876, 72.1726, 52.3913



18.6631, 20.5639, 22.0248



0.0000, 0.0000, 0.0000



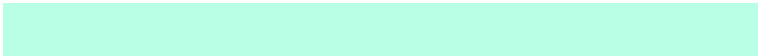
20.3446, 21.4041, 23.3091

Same Dimension

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



58.5930, 71.2553, 72.9540



69.6969, 87.3672, 87.9612



59.1594, 68.3233, 85.6745



14.5808, 16.2457, 17.3232



19.1543, 33.2938, 21.8448



1.4591, 2.4778, 1.8441

Inverse Universe

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



58.6434, 52.4205, 59.2547



69.7721, 59.9649, 68.0401



58.0750, 54.5292, 49.0602



14.5854, 14.4513, 16.0170



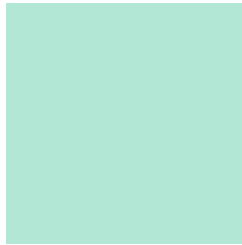
19.3670, 9.8810, 5.5616



1.4740, 0.7473, 0.6365

Previews

White Background



This preview shows how the XYZ color 58.5910, 71.2524, 72.9524 looks on a white background.

Color Contrast Check

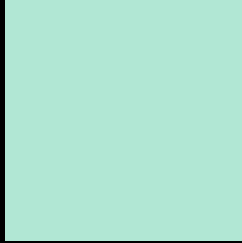
Large Text (above 18pt) WCAG AA × Fail

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 58.5910, 71.2524, 72.9524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

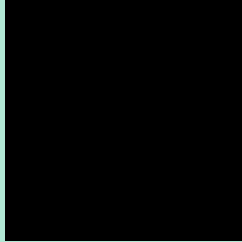
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

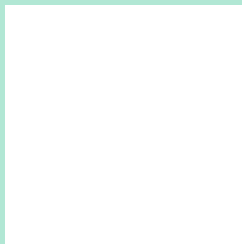
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.5910, 71.2524, 72.9524

Background



This preview shows how black text looks on a background with the XYZ color 58.5910, 71.2524, 72.9524.



This preview shows how white text looks on a background with the XYZ color 58.5910, 71.2524,

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

58.5910, 71.2524, 72.9524

Protanopia

67.4549, 70.7193, 67.8526

Deuteranopia

72.2138, 70.7456, 74.8149



Tritanopia

63.0539, 70.9916, 95.9674

Trichromacy



Original Color

58.5910, 71.2524, 72.9524

Protanomaly

63.7853, 70.7393, 69.9667

Deuteranomaly

66.5107, 70.4748, 74.3875

Tritanomaly

61.3649, 71.1368, 86.8404

Monochromacy



Original Color

58.5910, 71.2524, 72.9524

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

61.4229, 68.2699, 72.8909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.5910, 71.2524, 72.9524 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(177, 231, 212)` looks like.

```
.text, #text, p{  
    color:rgb(177, 231, 212)  
}
```

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(177, 231, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 231, 212) }
```

Border

The CSS property to change the border of an element to XYZ 58.5910, 71.2524, 72.9524 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(177, 231, 212) }
```


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

```
.border{ border-color:rgb(177, 231, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 231, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 231, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 231, 212);  
box-shadow:4px 4px 4px 4px rgb(177, 231,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 58.5910, 71.2524, 72.9524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 231, 212) }
```

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

```
.background{ background-color: rgb(177,  
231, 212) }
```

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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