

Converting Colors

XYZ(51.3329, 57.0732, 82.4482)

Have a look what the booklet for
XYZ(51.3329, 57.0732, 82.4482)
contains.

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Color

**XYZ(51.4912, 57.3191,
82.4786)**

Conversions

Conversions Part 1

Format	Color
Hex	A5CDE5
RGB	165, 205, 229
RGB Percent	65%, 80%, 90%
CMY	0.3529, 0.1961, 0.1020
CMYK	0.28, 0.10, 0.00, 0.10
HSL	202°, 55%, 77%
HSV	202°, 28%, 90%
XYZ	51.4912, 57.3191, 82.4786
YIQ	195.7760, -31.5440, -1.0160

Conversions

Conversions Part 2

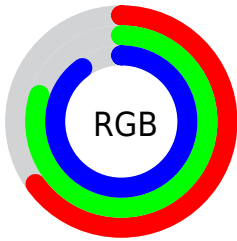
Format	Color
RYB	165, 190, 229
Decimal	10866149
CIELab	80.36, -7.74, -16.18
CIELCh	80, 17.935, 244.438
Yxy	57.3191, 0.2692, 0.2996
Android (android.graphics.Color)	4289056229 (0xFFFA5CDE5)
YUV	195.7760, 16.3794, -26.9906
Hunter-Lab	75.7094, -11.0906, -11.5946

Details

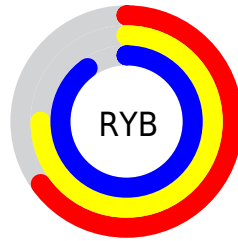
The XYZ color **51.4912, 57.3191, 82.4786** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.3030, 55.7702, 43.3432**, and the grayscale version is **52.2551, 54.9764, 59.8693**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **25.2621, 28.5687, 44.2273** is the 20% darker color. If you saturate the color by 10%, you get **45.1502, 51.0854, 81.6105**, and if you desaturate by 10%, it is **58.8013, 64.2225, 83.4268**.

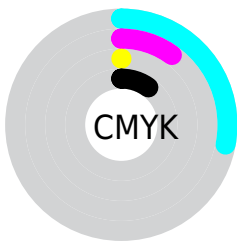
Distribution



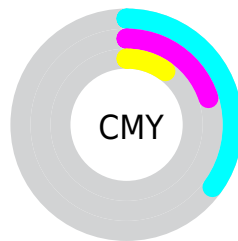
- Red (65%)
- Green (80%)
- Blue (90%)



- Red (65%)
- Yellow (75%)
- Blue (90%)



- Cyan (28%)
- Magenta (10%)
- Yellow (0%)
- Black (10%)



- Cyan (35%)
- Magenta (20%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.4912, 57.3191, 82.4786 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 51.4912, 57.3191, 82.4786 by changing the saturation by 10% instead.

■ 51.4912, 57.3191,
82.4786

■ 51.4912, 57.3191,
82.4786

382.8255,
414.6439, 523.1726

■ 36.8223, 41.2615,
61.2220

■ 91.5591, 100.9306,
138.6877

■ 25.2430, 28.5235,
43.9726

■ 117.6888,
129.2534, 174.4772

■ 16.3879, 18.7206,
30.3120

148.3696,
162.4333, 215.9481

■ 9.8916, 11.4686,
19.8214

183.9666,
200.8547, 263.5190

■ 5.3889, 6.3829,
12.0825

224.8454,
244.9021, 317.6083

■ 2.5143, 3.0793,
6.6767

271.3712,

■ 0.9025, 1.1733,

294.9598, 378.6347

3.1854

323.9095,
351.4123, 447.0166

■ 0.0000, 0.0397,
1.1900

■ 0.0000, 0.0000,
0.0000

■ 51.4912, 57.3191,
82.4786

■ 51.4912, 57.3191,
82.4786

■ 45.1502, 51.0854,
81.6105

■ 58.8013, 64.2225,
83.4268

■ 39.7256, 45.4875,
80.8159

■ 67.1191, 71.8140,
84.4537

■ 35.1677, 40.4983,
80.0932

■ 76.4874, 80.1195,
85.5630

■ 31.4194, 36.0857,
79.4390

■ 86.3525, 88.8561,
86.7294

■ 28.4160, 32.2134,
78.8499

■ 88.9314, 94.0139,
87.5891

■ 26.0816, 28.8394,
78.3217

■ 91.1430, 98.4372,
88.3263

■ 24.3115, 25.9067,
77.8489

■ 23.9855, 25.3422,
77.7571

Harmonies

Analogous

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



48.8642, 57.3191, 74.5535



51.4912, 57.3191, 82.4786



55.0281, 57.3191, 84.8097

Triad

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



51.4912, 57.3191, 82.4786



61.8239, 57.3191, 60.8596



50.5855, 57.3191, 47.1808

Complementary

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



51.4912, 57.3191, 82.4786



57.3030, 55.7702, 43.3432

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.



53.9357, 57.3191, 44.3498



51.4912, 57.3191, 82.4786



60.5106, 57.3191, 51.6637

Square

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



51.4912, 57.3191, 82.4786



61.0982, 57.3191, 71.5447



57.5825, 57.3191, 45.8946



48.3580, 57.3191, 54.0893

Rectangle

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



51.4912, 57.3191, 82.4786



57.4524, 57.3191, 82.6804



57.5825, 57.3191, 45.8946



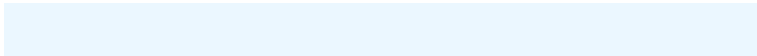
51.6121, 57.3191, 45.7583

Sweetspot

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



51.4930, 57.3214, 82.4799



85.5471, 91.5504, 107.7699



52.6651, 67.6901, 58.1322



17.9490, 19.2696, 23.0233



0.0000, 0.0000, 0.0000



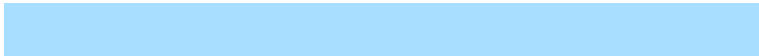
20.3446, 21.4041, 23.3091

Same Dimension

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



51.4930, 57.3214, 82.4799



60.5141, 68.0812, 104.5593



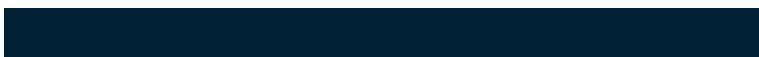
44.7072, 43.7500, 80.2180



14.3296, 15.3805, 18.3578



13.8328, 14.7278, 44.4968



1.1107, 1.2654, 3.3177

Inverse Universe

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



56.7891, 47.9775, 64.0276



68.5487, 54.6764, 76.3930



64.8216, 70.8075, 45.8494



14.7539, 14.5188, 16.9046



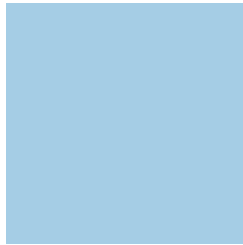
21.3757, 10.6845, 16.1392



1.6243, 0.8074, 1.4280

Previews

White Background



This preview shows how the XYZ color 51.4912, 57.3191, 82.4786 looks on a white background.

Color Contrast Check

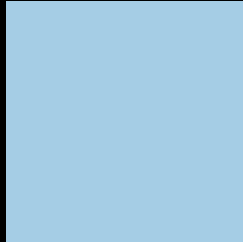
Large Text (above 18pt) WCAG AA × Fail

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 51.4912, 57.3191, 82.4786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

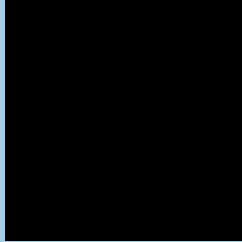
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

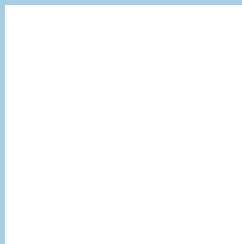
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.4912, 57.3191, 82.4786

Background



This preview shows how black text looks on a background with the XYZ color 51.4912, 57.3191, 82.4786.



This preview shows how white text looks on a background with the XYZ color 51.4912, 57.3191,

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

51.4912, 57.3191, 82.4786

Protanopia

55.9265, 56.9164, 78.5593

Deuteranopia

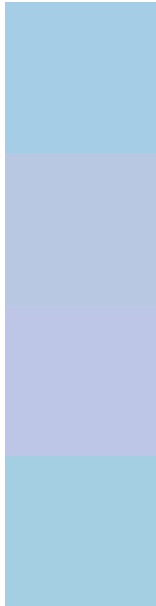
58.3442, 57.0496, 83.5379



Tritanopia

50.7004, 57.3628, 78.2120

Trichromacy



Original Color

51.4912, 57.3191, 82.4786

Protanomaly

54.1489, 56.9899, 80.0977

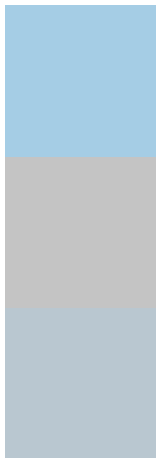
Deuteranomaly

55.4633, 56.9202, 82.9264

Tritanomaly

50.9718, 57.4714, 79.6407

Monochromacy



Original Color

51.4912, 57.3191, 82.4786

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

51.8162, 55.7152, 67.6976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4912, 57.3191, 82.4786 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(165, 205, 229)` looks like.

```
.text, #text, p{  
    color:rgb(165, 205, 229)  
}
```

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(165, 205, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 205, 229) }
```

Border

The CSS property to change the border of an element to XYZ 51.4912, 57.3191, 82.4786 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(165, 205, 229) }
```


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

```
.border{ border-color:rgb(165, 205, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 205, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 205, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 205, 229);  
box-shadow:4px 4px 4px 4px rgb(165, 205,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4912, 57.3191, 82.4786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 205, 229) }
```

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

```
.background{ background-color: rgb(165,  
205, 229) }
```

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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