

Converting Colors

XYZ(51.1806, 70.6959, 57.3273)

Have a look what the booklet for
XYZ(51.1806, 70.6959, 57.3273)
contains.

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Color

**XYZ(51.2915, 70.8052,
57.4178)**

Conversions

Conversions Part 1

Format	Color
Hex	92EEBA
RGB	146, 238, 186
RGB Percent	57%, 93%, 73%
CMY	0.4274, 0.0666, 0.2706
CMYK	0.39, 0.00, 0.22, 0.07
HSL	146°, 73%, 75%
HSV	146°, 39%, 93%
XYZ	51.2915, 70.8052, 57.4178
YIQ	204.5640, -38.1400, -35.6760

Conversions

Conversions Part 2

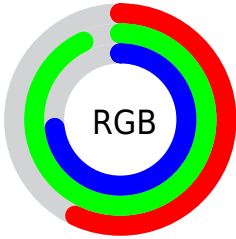
Format	Color
RYB	146, 210, 238
Decimal	9629370
CIELab	87.39, -38.57, 16.68
CIELCh	87, 42.026, 156.619
Yxy	70.8052, 0.2857, 0.3944
Android (android.graphics.Color)	4287819450 (0xFF92EEBA)
YUV	204.5640, -9.1521, -51.3606
Hunter-Lab	84.1458, -38.4496, 18.4449

Details

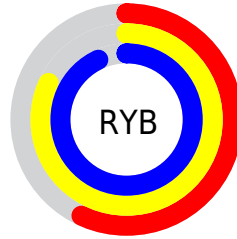
The XYZ color **51.2915, 70.8052, 57.4178** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **55.7342, 42.8137, 58.7551**, and the grayscale version is **57.8265, 60.8380, 66.2526**.

A 20% lighter version of the original color is **76.4156, 90.6273, 97.4697**, and **25.2760, 37.3735, 28.0719** is the 20% darker color. If you saturate the color by 10%, you get **46.1297, 68.3037, 50.0596**, and if you desaturate by 10%, it is **57.4724, 73.8204, 65.5297**.

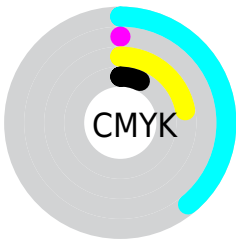
Distribution



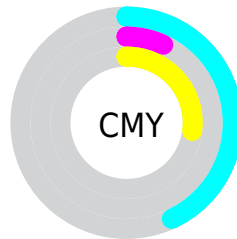
- Red (57%)
- Green (93%)
- Blue (73%)



- Red (57%)
- Yellow (82%)
- Blue (93%)



- Cyan (39%)
- Magenta (0%)
- Yellow (22%)
- Black (7%)





- Cyan (43%)
- Magenta (7%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2915, 70.8052, 57.4178 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 51.2915, 70.8052, 57.4178 by changing the saturation by 10% instead.


 51.2915, 70.8052,
57.4178


 51.2915, 70.8052,
57.4178


382.0643,
463.3722, 432.5505

 36.6626, 52.1832,
40.9292


 91.2659, 120.3563,
102.5809

 25.1189, 37.1512,
27.9445


 117.3422,
152.0543, 132.0925

 16.2948, 25.3245,
18.0451


147.9650,
188.8796, 166.7822

 9.8252, 16.3190,
10.8126

183.4997,
231.2169, 207.0685

 5.3446, 9.7502,
5.8284

224.3116,
279.4504, 253.3699

 2.4877, 5.2336,
2.6739

270.7661,

 0.8890, 2.3850,

333.9645, 306.1050

0.9303

323.2286,
395.1436, 365.6924

0.0000, 0.8181,
0.0000

0.0000, 0.0000,
0.0000

51.2915, 70.8052,
57.4178

51.2915, 70.8052,
57.4178

46.1297, 68.3037,
50.0596

57.4724, 73.8204,
65.5297

41.9226, 66.2773,
43.4281

64.7207, 77.3679,
74.4116

38.6070, 64.6957,
37.5019

73.0881, 81.4761,
84.0852

36.1090, 63.5215,
32.2562

82.6215, 86.1685,
94.5699

■ 34.3419, 62.7103,
27.6649

■ 89.5878, 89.5205,
105.7078

■ 33.1804, 62.1981,
23.6984

■ 89.8658, 89.6317,
107.1719

■ 33.0481, 62.1406,
23.2105

Harmonies

Analogous

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



56.5684, 70.8052, 41.0896



51.2915, 70.8052, 57.4178



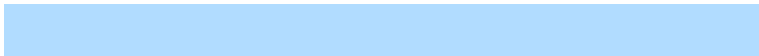
50.1023, 70.8052, 83.5525

Triad

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



51.2915, 70.8052, 57.4178



69.5168, 70.8052, 144.9322



83.7651, 70.8052, 48.9295

Complementary

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



51.2915, 70.8052, 57.4178



55.7342, 42.8137, 58.7551

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.



88.0373, 70.8052, 70.9788



51.2915, 70.8052, 57.4178



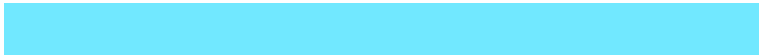
79.3057, 70.8052, 129.6622

Square

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



51.2915, 70.8052, 57.4178



60.0220, 70.8052, 138.7558



86.3303, 70.8052, 100.8207



75.1400, 70.8052, 37.0949

Rectangle

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



51.2915, 70.8052, 57.4178



51.6718, 70.8052, 104.1975



86.3303, 70.8052, 100.8207



85.7946, 70.8052, 55.1536

Sweetspot

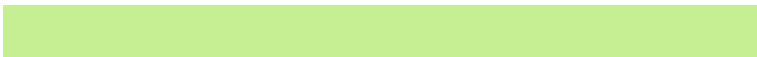
The Sweet Spot groups the original color and five complimentary colors.



51.2934, 70.8081, 57.4194



82.0137, 93.5869, 94.4026



59.0891, 75.2514, 38.6056



17.2761, 19.8948, 19.8860



0.0000, 0.0000, 0.0000



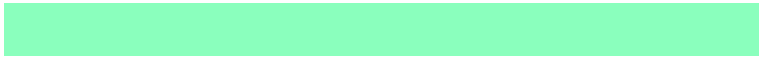
20.3446, 21.4041, 23.3091

Same Dimension

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



51.2934, 70.8081, 57.4194



55.3443, 80.5588, 60.6052



56.9774, 73.0817, 87.3510



15.8513, 17.7705, 18.2398



18.4990, 34.6916, 13.2765



1.5880, 2.9056, 1.3628

Inverse Universe

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



55.7342, 42.8137, 58.7551



61.1847, 43.7107, 62.3398



51.2192, 41.0078, 34.9797



16.1471, 15.9085, 18.3306



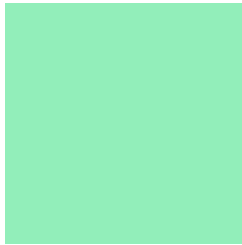
22.1588, 11.1359, 14.0187



1.8933, 0.9463, 1.4288

Previews

White Background



This preview shows how the XYZ color 51.2915, 70.8052, 57.4178 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 51.2915, 70.8052, 57.4178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

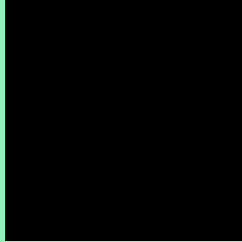
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.2915, 70.8052, 57.4178

Background



This preview shows how black text looks on a background with the XYZ color 51.2915, 70.8052, 57.4178.



This preview shows how white text looks on a background with the XYZ color 51.2915, 70.8052,

57.4178.

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

51.2915, 70.8052, 57.4178

Protanopia

65.6043, 69.7492, 51.0795

Deuteranopia

71.2724, 69.8554, 59.5962



Tritanopia

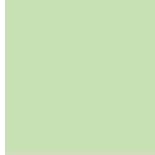
59.7373, 70.8445, 99.3328

Trichromacy



Original Color

51.2915, 70.8052, 57.4178



Protanomaly

58.9829, 69.4251, 53.4717



Deuteranomaly

61.7514, 68.7530, 58.7312



Tritanomaly

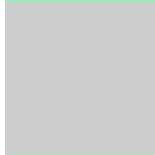
56.2471, 70.6826, 81.9127

Monochromacy



Original Color

51.2915, 70.8052, 57.4178



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

54.7731, 63.8933, 62.8719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2915, 70.8052, 57.4178 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(146, 238, 186)` looks like.

```
.text, #text, p{  
    color:rgb(146, 238, 186)  
}
```

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(146, 238, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 238, 186) }
```

Border

The CSS property to change the border of an element to XYZ 51.2915, 70.8052, 57.4178 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(146, 238, 186) }
```


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

```
.border{ border-color:rgb(146, 238, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 238, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 238, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 238, 186);  
box-shadow:4px 4px 4px 4px rgb(146, 238,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2915, 70.8052, 57.4178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 238, 186) }
```

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

```
.background{ background-color: rgb(146,  
238, 186) }
```

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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