

Converting Colors

XYZ(49.1243, 62.6471, 58.7937)

Have a look what the booklet for
XYZ(49.1243, 62.6471, 58.7937)
contains.

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Color

**XYZ(49.1650, 62.6426,
58.7902)**

Conversions

Conversions Part 1

Format	Color
Hex	9DDDBF
RGB	157, 221, 191
RGB Percent	62%, 87%, 75%
CMY	0.3843, 0.1333, 0.2510
CMYK	0.29, 0.00, 0.14, 0.13
HSL	152°, 48%, 74%
HSV	152°, 29%, 87%
XYZ	49.1650, 62.6426, 58.7902
YIQ	198.4440, -28.5140, -22.8980

Conversions

Conversions Part 2

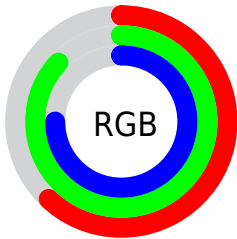
Format	Color
RYB	157, 199, 221
Decimal	10345919
CIELab	83.25, -26.45, 8.27
CIELCh	83, 27.713, 162.641
Yxy	62.6426, 0.2882, 0.3672
Android (android.graphics.Color)	4288535999 (0xFF9DDDBF)
YUV	198.4440, -3.6699, -36.3464
Hunter-Lab	79.1471, -27.6258, 11.3625

Details

The XYZ color **49.1650, 62.6426, 58.7902** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **50.8475, 43.0754, 52.6505**, and the grayscale version is **53.9821, 56.7934, 61.8480**.

A 20% lighter version of the original color is **79.9891, 92.3815, 101.6112**, and **23.9326, 32.0505, 28.9697** is the 20% darker color. If you saturate the color by 10%, you get **44.1372, 60.1795, 52.8131**, and if you desaturate by 10%, it is **55.0569, 65.5452, 65.2315**.

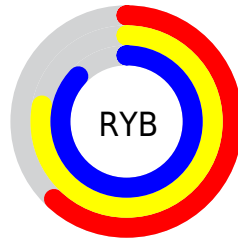
Distribution



Red (62%)

Green (87%)

Blue (75%)



Red (62%)

Yellow (78%)

Blue (87%)

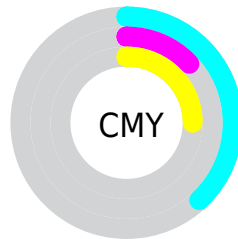


Cyan (29%)

Magenta (0%)

Yellow (14%)

Black (13%)



Cyan (38%)


Magenta (13%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1650, 62.6426, 58.7902 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 49.1650, 62.6426, 58.7902 by changing the saturation by 10% instead.


 49.1650, 62.6426,
58.7902


 49.1650, 62.6426,
58.7902


373.8977,
434.2712, 437.8042

 34.9655, 45.5521,
42.0254


 88.1357, 108.6537,
104.5988

 23.8027, 31.8925,
28.7954


 113.6376,
138.3432, 134.4796

 15.3112, 21.2794,
18.6819


143.6376,
173.0011, 169.5696

 9.1258, 13.3284,
11.2662

178.5012,
213.0118, 210.2871

 4.8811, 7.6551,
6.1297

218.5936,
258.7598, 257.0508

 2.2117, 3.8750,
2.8541


264.2803,

 0.7489, 1.6039,


310.6295, 310.2792


1.0206


315.9265,
369.0051, 370.3908


 0.0000, 0.3602,
0.0000


 0.0000, 0.0000,
0.0000


 49.1650, 62.6426,
58.7902


 49.1650, 62.6426,
58.7902


 44.1372, 60.1795,
52.8131


 55.0569, 65.5452,
65.2315


 39.9244, 58.1257,
47.2852

 61.8481, 68.9003,
72.1429

 36.4808, 56.4595,
42.1968

 69.5783, 72.7297,
79.5359

 33.7534, 55.1538,
37.5362

 78.2831, 77.0517,
87.4200

■ 31.6819, 54.1777,
33.2909

■ 83.2454, 79.4344,
95.5822

■ 30.1958, 53.4951,
29.4478

■ 84.8531, 80.0774,
104.0482

■ 29.1851, 53.0496,
25.9913

■ 85.1476, 80.1953,
105.5992

■ 29.0923, 53.0091,
25.6529

Harmonies

Analogous

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



52.0409, 62.6426, 46.6193



49.1650, 62.6426, 58.7902



48.9483, 62.6426, 75.7189

Triad

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



49.1650, 62.6426, 58.7902



62.1081, 62.6426, 105.9200



68.4635, 62.6426, 48.1323

Complementary

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



49.1650, 62.6426, 58.7902



50.8475, 43.0754, 52.6505

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.



71.5588, 62.6426, 61.2094



49.1650, 62.6426, 58.7902



67.7268, 62.6426, 95.6029

Square

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



49.1650, 62.6426, 58.7902



56.1540, 62.6426, 104.9759



71.2804, 62.6426, 78.5795



63.0593, 62.6426, 41.2158

Rectangle

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



49.1650, 62.6426, 58.7902



50.3184, 62.6426, 87.6872



71.2804, 62.6426, 78.5795



69.8243, 62.6426, 51.8495

Sweetspot

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



49.1667, 62.6452, 58.7916



85.4208, 95.2305, 99.6597



52.6669, 64.8329, 41.6372



17.9721, 20.2292, 21.0226



0.0000, 0.0000, 0.0000



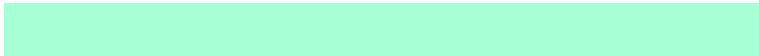
20.3446, 21.4041, 23.3091

Same Dimension

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



49.1667, 62.6452, 58.7916



63.4644, 84.4123, 76.0071



52.5335, 63.5427, 77.9059



13.1742, 14.7213, 15.3801



16.9572, 30.8155, 15.2059



1.1420, 2.0137, 1.2137

Inverse Universe

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



50.8475, 43.0754, 52.6505



66.1653, 52.9754, 66.1469



48.1446, 42.2842, 37.5232



13.3088, 13.1526, 14.8874



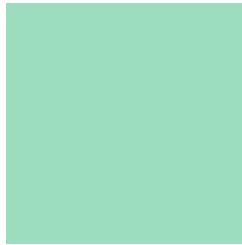
18.8181, 9.5283, 8.6880



1.2624, 0.6346, 0.7908

Previews

White Background



This preview shows how the XYZ color 49.1650, 62.6426, 58.7902 looks on a white background.

Color Contrast Check

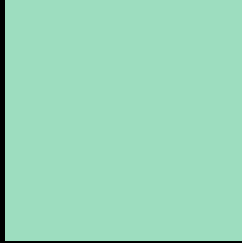
Large Text (above 18pt) WCAG AA × Fail

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 49.1650, 62.6426, 58.7902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

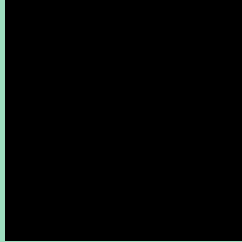
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

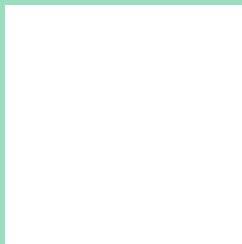
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.1650, 62.6426, 58.7902

Background



This preview shows how black text looks on a background with the XYZ color 49.1650, 62.6426, 58.7902.



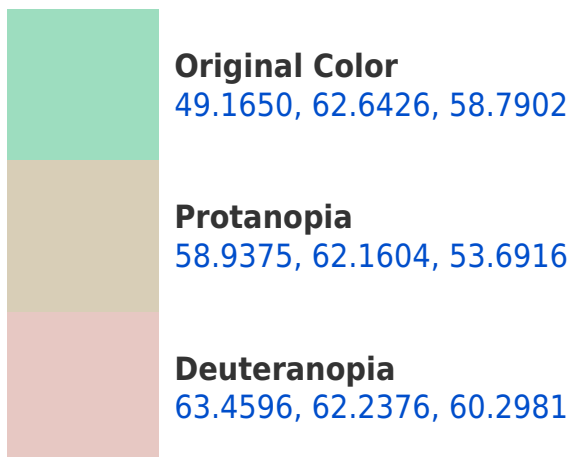
This preview shows how white text looks on a background with the XYZ color 49.1650, 62.6426,

58.7902.

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





Tritanopia

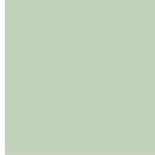
54.3830, 62.4264, 85.5271

Trichromacy



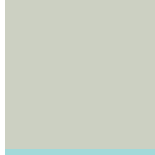
Original Color

49.1650, 62.6426, 58.7902



Protanomaly

54.6629, 61.7358, 55.4895



Deuteranomaly

57.1953, 61.8442, 59.9615



Tritanomaly

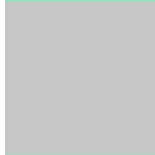
52.2375, 62.3168, 74.9208

Monochromacy



Original Color

49.1650, 62.6426, 58.7902



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

51.4501, 58.1500, 60.1421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1650, 62.6426, 58.7902 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(157, 221, 191)` looks like.

```
.text, #text, p{  
    color:rgb(157, 221, 191)  
}
```

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(157, 221, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 221, 191) }
```

Border

The CSS property to change the border of an element to XYZ 49.1650, 62.6426, 58.7902 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(157, 221, 191) }
```


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

```
.border{ border-color:rgb(157, 221, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 221, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 221, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 221, 191);  
box-shadow:4px 4px 4px 4px rgb(157, 221,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1650, 62.6426, 58.7902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 221, 191) }
```

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

```
.background{ background-color: rgb(157,  
221, 191) }
```

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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