

Converting Colors

XYZ(49.2325, 62.6320, 58.7816)

Have a look what the booklet for
XYZ(49.2325, 62.6320, 58.7816)
contains.

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Color

**XYZ(49.3610, 62.7436,
58.7993)**

Conversions

Conversions Part 1

Format	Color
Hex	9EDDBF
RGB	158, 221, 191
RGB Percent	62%, 87%, 75%
CMY	0.3804, 0.1333, 0.2510
CMYK	0.29, 0.00, 0.14, 0.13
HSL	151°, 48%, 74%
HSV	151°, 29%, 87%
XYZ	49.3610, 62.7436, 58.7993
YIQ	198.7430, -27.9180, -22.6860

Conversions

Conversions Part 2

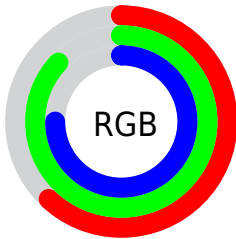
Format	Color
RYB	158, 199, 221
Decimal	10411455
CIELab	83.31, -26.15, 8.35
CIELCh	83, 27.450, 162.286
Yxy	62.7436, 0.2888, 0.3671
Android (android.graphics.Color)	4288601535 (0xFF9EDDBF)
YUV	198.7430, -3.8173, -35.7316
Hunter-Lab	79.2109, -27.3850, 11.4358

Details

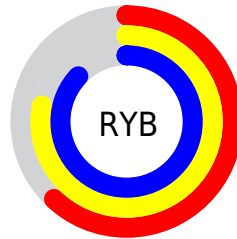
The XYZ color **49.3610, 62.7436, 58.7993** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **51.1250, 43.4583, 53.2734**, and the grayscale version is **54.1653, 56.9861, 62.0578**.

A 20% lighter version of the original color is **80.2801, 92.5315, 101.6249**, and **24.0494, 32.1107, 28.9752** is the 20% darker color. If you saturate the color by 10%, you get **44.2819, 60.2560, 52.7319**, and if you desaturate by 10%, it is **55.3085, 65.6727, 65.3445**.

Distribution



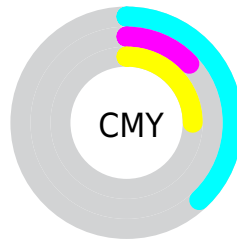
- Red (62%)
- Green (87%)
- Blue (75%)



- 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 49.3610, 62.7436, 58.7993 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 49.3610, 62.7436, 58.7993 by changing the saturation by 10% instead.


 49.3610, 62.7436,
58.7993

 49.3610, 62.7436,
58.7993


374.6552,
434.6384, 437.8389

 35.1216, 45.6338,
42.0326


 88.4249, 108.7995,
104.6122

 23.9236, 31.9570,
28.8011


 113.9801,
138.5144, 134.4954

 15.4013, 21.3286,
18.6861


144.0380,
173.1999, 169.5880

 9.1897, 13.3644,
11.2692


178.9640,
213.2402, 210.3084

 4.9232, 7.6800,
6.1317

219.1233,
259.0198, 257.0751

 2.2366, 3.8909,
2.8553

264.8814,

 0.7619, 1.6127,

310.9231, 310.3067

1.0212

316.6036,
369.3345, 370.4218

■ 0.0000, 0.3661,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.3610, 62.7436,
58.7993

■ 49.3610, 62.7436,
58.7993

■ 44.2819, 60.2560,
52.7319

■ 55.3085, 65.6727,
65.3445

■ 40.0224, 58.1798,
47.1271

■ 62.1598, 69.0561,
72.3740

■ 36.5366, 56.4932,
41.9745

■ 69.9543, 72.9159,
79.8995

■ 33.7718, 55.1693,
37.2621

■ 78.7278, 77.2701,
87.9310

■ 31.6680, 54.1775,
32.9770

■ 83.3698, 79.4841,
96.2373

■ 30.1551, 53.4817,
29.1054

■ 85.0109, 80.1405,
104.8794

■ 29.1292, 53.0286,
25.6317

■ 85.1476, 80.1952,
105.5992

■ 28.9960, 52.9706,
25.1455

Harmonies

Analogous

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



52.2449, 62.7436, 46.7782



49.3610, 62.7436, 58.7993



49.1135, 62.7436, 75.5500

Triad

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



49.3610, 62.7436, 58.7993



62.1107, 62.7436, 105.7140



68.5326, 62.7436, 48.5085

Complementary

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



49.3610, 62.7436, 58.7993



51.1250, 43.4583, 53.2734

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.



71.5632, 62.7436, 61.5612



49.3610, 62.7436, 58.7993



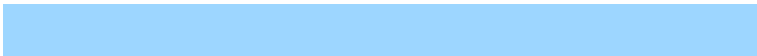
67.6931, 62.7436, 95.6221

Square

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



49.3610, 62.7436, 58.7993



56.2127, 62.7436, 104.6401



71.2460, 62.7436, 78.8103



63.1953, 62.7436, 41.5541

Rectangle

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



49.3610, 62.7436, 58.7993



50.4531, 62.7436, 87.4135



71.2460, 62.7436, 78.8103



69.8704, 62.7436, 52.2265

Sweetspot

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



49.3627, 62.7462, 58.8007



85.3948, 95.2201, 99.5229



52.8802, 64.9329, 42.0949



17.9657, 20.2266, 20.9889



0.0000, 0.0000, 0.0000



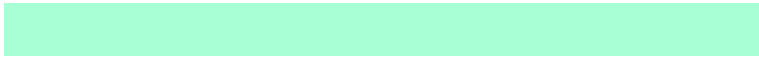
20.3446, 21.4041, 23.3091

Same Dimension

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



49.3627, 62.7462, 58.8007



64.0732, 84.7181, 76.4009



52.7339, 63.6524, 77.9164



13.1700, 14.7196, 15.3581



16.9011, 30.7931, 14.9107



1.1384, 2.0123, 1.1948

Inverse Universe

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



51.1250, 43.4583, 53.2734



66.8797, 54.0088, 67.6038



48.3990, 42.6558, 38.0312



13.3129, 13.1543, 14.9092



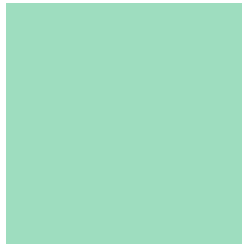
18.8672, 9.5479, 8.9466



1.2657, 0.6359, 0.8079

Previews

White Background



This preview shows how the XYZ color 49.3610, 62.7436, 58.7993 looks on a white background.

Color Contrast Check

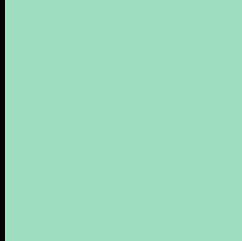
Large Text (above 18pt) WCAG AA × Fail

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 49.3610, 62.7436, 58.7993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

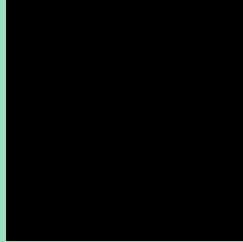
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.3610, 62.7436, 58.7993

Background



This preview shows how black text looks on a background with the XYZ color 49.3610, 62.7436, 58.7993.



This preview shows how white text looks on a background with the XYZ color 49.3610, 62.7436,

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

49.3610, 62.7436, 58.7993

Protanopia

58.9375, 62.1604, 53.6916

Deuteranopia

63.4596, 62.2376, 60.2981



Tritanopia

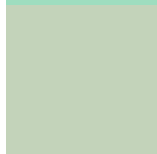
54.5918, 62.5341, 85.5369

Trichromacy



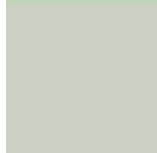
Original Color

49.3610, 62.7436, 58.7993



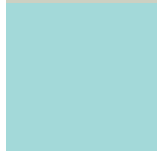
Protanomaly

54.6629, 61.7358, 55.4895



Deuteranomaly

57.1953, 61.8442, 59.9615



Tritanomaly

52.4415, 62.4220, 74.9303

Monochromacy



Original Color

49.3610, 62.7436, 58.7993



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

52.0438, 58.8015, 60.8314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3610, 62.7436, 58.7993 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(158, 221, 191)` looks like.

```
.text, #text, p{  
    color:rgb(158, 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(158, 221, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 221, 191) }
```

Border

The CSS property to change the border of an element to XYZ 49.3610, 62.7436, 58.7993 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(158, 221, 191) }
```


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

```
.border{ border-color:rgb(158, 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(158, 221, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 221, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 221, 191);  
box-shadow:4px 4px 4px 4px rgb(158, 221,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3610, 62.7436, 58.7993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 221, 191) }
```

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

```
.background{ background-color: rgb(158,  
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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