

Converting Colors

XYZ(49.7860, 63.1468, 61.2711)

Have a look what the booklet for
XYZ(49.7860, 63.1468, 61.2711)
contains.

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Color

**XYZ(49.8762, 63.3508,
61.2289)**

Conversions

Conversions Part 1

Format	Color
Hex	9DDEC3
RGB	157, 222, 195
RGB Percent	62%, 87%, 76%
CMY	0.3843, 0.1294, 0.2353
CMYK	0.29, 0.00, 0.12, 0.13
HSL	155°, 50%, 74%
HSV	155°, 29%, 87%
XYZ	49.8762, 63.3508, 61.2289
YIQ	199.4870, -30.0730, -22.1770

Conversions

Conversions Part 2

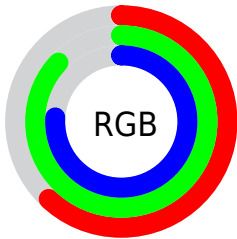
Format	Color
RYB	157, 198, 222
Decimal	10346179
CIELab	83.63, -26.13, 6.69
CIELCh	84, 26.974, 165.641
Yxy	63.3508, 0.2859, 0.3631
Android (android.graphics.Color)	4288536259 (0xFF9DDEC3)
YUV	199.4870, -2.2121, -37.2611
Hunter-Lab	79.5932, -27.4331, 10.1051

Details

The XYZ color **49.8762, 63.3508, 61.2289** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **50.8351, 43.1058, 50.9909**, and the grayscale version is **54.6122, 57.4563, 62.5699**.

A 20% lighter version of the original color is **80.7713, 92.6944, 105.7302**, and **24.3354, 32.5036, 30.1905** is the 20% darker color. If you saturate the color by 10%, you get **44.9217, 60.9151, 55.7217**, and if you desaturate by 10%, it is **55.6856, 66.2231, 67.1151**.

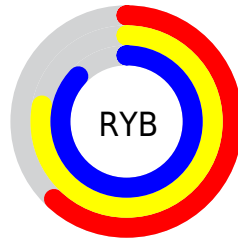
Distribution



Red (62%)

Green (87%)

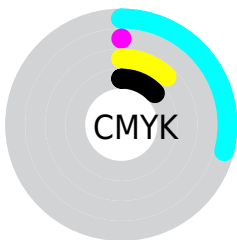
Blue (76%)



Red (62%)

Yellow (78%)

Blue (87%)

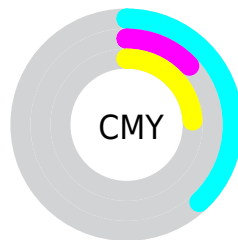


Cyan (29%)

Magenta (0%)

Yellow (12%)

Black (13%)



Cyan (38%)


Magenta (13%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8762, 63.3508, 61.2289 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 49.8762, 63.3508, 61.2289 by changing the saturation by 10% instead.

 49.8762, 63.3508,
61.2289


 49.8762, 63.3508,
61.2289


376.6416,
436.8415, 447.0426

 35.5324, 46.1251,
43.9782


 89.1843, 109.6755,
108.1711

 24.2417, 32.3445,
30.3163


 114.8794,
139.5432, 138.6996

 15.6387, 21.6248,
19.8247


145.0890,
174.3936, 174.4911

 9.3581, 13.5815,
12.0849

180.1784,
214.6113, 215.9641

 5.0345, 7.8301,
6.6783

220.5130,
260.5805, 263.5372

 2.3025, 3.9865,
3.1863

266.4582,

 0.7959, 1.6660,

312.6857, 317.6290

1.1905

318.3793,
371.3112, 378.6579

■ 0.0000, 0.4015,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.8762, 63.3508,
61.2289

■ 49.8762, 63.3508,
61.2289

■ 44.9217, 60.9151,
55.7217

■ 55.6856, 66.2231,
67.1151

■ 40.7730, 58.8859,
50.5810

■ 62.3853, 69.5451,
73.3837

■ 37.3840, 57.2411,
45.8000

■ 70.0147, 73.3387,
80.0436

■ 34.7016, 55.9536,
41.3697

■ 78.6096, 77.6222,
87.1021

■ 32.6652, 54.9922,
37.2807

■ 83.2566, 79.8626,
94.3347

■ 31.2036, 54.3203,
33.5230

■ 84.6704, 80.4281,
101.7801

■ 30.2017, 53.8789,
30.0841

■ 85.4125, 80.7249,
105.6875

■ 30.1371, 53.8508,
29.8481

Harmonies

Analogous

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



52.4594, 63.3508, 48.6616



49.8762, 63.3508, 61.2289



49.9341, 63.3508, 78.1153

Triad

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



49.8762, 63.3508, 61.2289



63.3242, 63.3508, 105.2415



68.4996, 63.3508, 48.2556

Complementary

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



49.8762, 63.3508, 61.2289



50.8351, 43.1058, 50.9909

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.



71.8138, 63.3508, 60.5830



49.8762, 63.3508, 61.2289



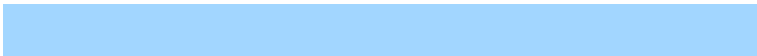
68.6953, 63.3508, 94.2838

Square

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



49.8762, 63.3508, 61.2289



57.4426, 63.3508, 105.4909



71.8876, 63.3508, 77.3553



63.0711, 63.3508, 42.0438

Rectangle

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



49.8762, 63.3508, 61.2289



51.4545, 63.3508, 89.6991



71.8876, 63.3508, 77.3553



69.9131, 63.3508, 51.7227

Sweetspot

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



49.8780, 63.3534, 61.2303



85.6077, 95.3053, 100.6437



51.9963, 64.8803, 41.6818



18.0181, 20.2476, 21.2651



0.0000, 0.0000, 0.0000



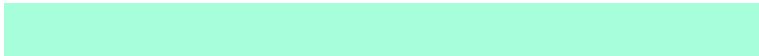
20.3446, 21.4041, 23.3091

Same Dimension

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



49.8780, 63.3534, 61.2303



64.0785, 84.6580, 79.2413



51.7971, 61.8558, 78.3197



13.8632, 15.4710, 16.3146



17.9566, 32.0075, 18.0264



1.2889, 2.2363, 1.4827

Inverse Universe

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



50.8351, 43.1058, 50.9909



65.5895, 52.7451, 63.1148



49.2057, 43.9531, 37.7895



13.9422, 13.7945, 15.4657



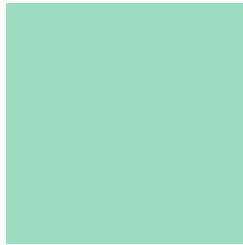
19.0988, 9.7065, 7.1862



1.3677, 0.6903, 0.7289

Previews

White Background



This preview shows how the XYZ color 49.8762, 63.3508, 61.2289 looks on a white background.

Color Contrast Check

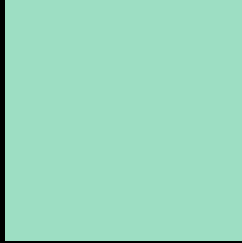
Large Text (above 18pt) WCAG AA × Fail

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 49.8762, 63.3508, 61.2289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

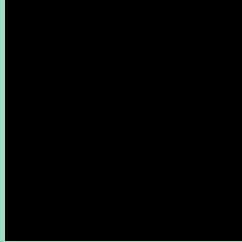
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

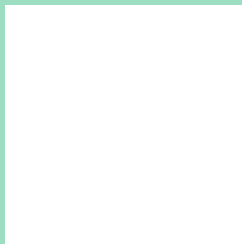
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.8762, 63.3508, 61.2289

Background



This preview shows how black text looks on a background with the XYZ color 49.8762, 63.3508, 61.2289.



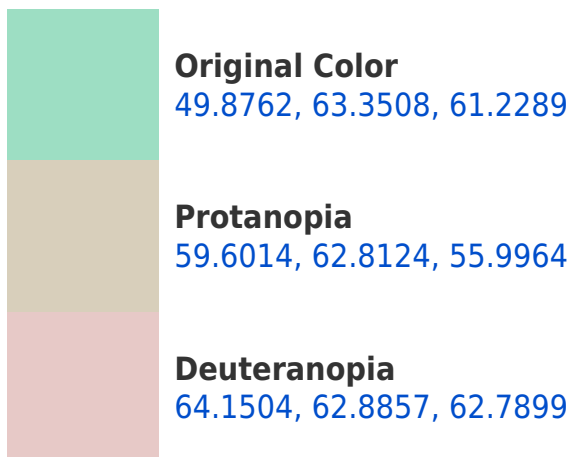
This preview shows how white text looks on a background with the XYZ color 49.8762, 63.3508,

61.2289.

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

54.9242, 63.0516, 87.1173

Trichromacy



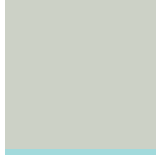
Original Color

49.8762, 63.3508, 61.2289



Protanomaly

55.3434, 62.4068, 57.8440



Deuteranomaly

57.8953, 62.5155, 62.4414



Tritanomaly

52.8900, 62.9915, 77.0811

Monochromacy



Original Color

49.8762, 63.3508, 61.2289



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

52.2730, 58.8932, 62.0385

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8762, 63.3508, 61.2289 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, 222, 195)` looks like.

```
.text, #text, p{  
    color:rgb(157, 222, 195)  
}
```

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, 222, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 222, 195) }
```

Border

The CSS property to change the border of an element to XYZ 49.8762, 63.3508, 61.2289 is called "border". The border property can be set on classes, ids or directly on the HTML element.

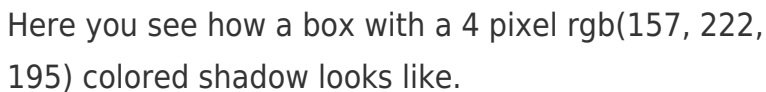
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 222, 195) }
```


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

```
.border{ border-color:rgb(157, 222, 195) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 222, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 222, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 222, 195); box-shadow:4px 4px 4px 4px rgb(157, 222, 195) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8762, 63.3508, 61.2289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 222, 195) }
```

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

```
.background{ background-color: rgb(157,  
222, 195) }
```

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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