

Converting Colors

XYZ(49.7957, 61.8688, 57.3354)

Have a look what the booklet for
XYZ(49.7957, 61.8688, 57.3354)
contains.

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Color

**XYZ(49.7738, 61.8163,
57.4525)**

Conversions

Conversions Part 1

Format	Color
Hex	A5DABD
RGB	165, 218, 189
RGB Percent	65%, 85%, 74%
CMY	0.3529, 0.1451, 0.2588
CMYK	0.24, 0.00, 0.13, 0.15
HSL	147°, 42%, 75%
HSV	147°, 24%, 85%
XYZ	49.7738, 61.8163, 57.4525
YIQ	198.8470, -22.2790, -20.2550

Conversions

Conversions Part 2

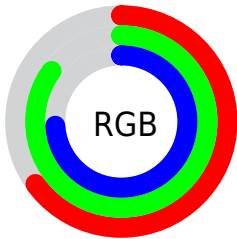
Format	Color
RYB	165, 201, 218
Decimal	10869437
CIELab	82.82, -22.91, 8.76
CIELCh	83, 24.528, 159.082
Yxy	61.8163, 0.2944, 0.3657
Android (android.graphics.Color)	4289059517 (0xFFA5DABD)
YUV	198.8470, -4.8546, -29.6838
Hunter-Lab	78.6233, -24.5885, 11.7113

Details

The XYZ color **49.7738, 61.8163, 57.4525** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **52.1084, 45.7123, 57.1186**, and the grayscale version is **54.2325, 57.0568, 62.1348**.

A 20% lighter version of the original color is **82.0602, 93.4847, 100.1055**, and **24.2232, 31.4167, 28.0799** is the 20% darker color. If you saturate the color by 10%, you get **44.3782, 59.1800, 50.7168**, and if you desaturate by 10%, it is **56.0522, 64.8988, 64.7881**.

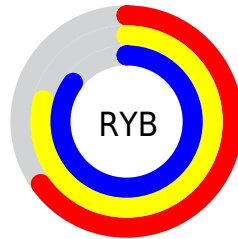
Distribution



Red (65%)

Green (85%)

Blue (74%)



Red (65%)

Yellow (79%)

Blue (85%)

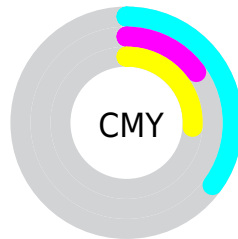


Cyan (24%)

Magenta (0%)

Yellow (13%)

Black (15%)



Cyan (35%)


Magenta (15%)


Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7738, 61.8163, 57.4525 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 49.7738, 61.8163, 57.4525 by changing the saturation by 10% instead.


 49.7738, 61.8163,
57.4525


 49.7738, 61.8163,
57.4525


376.2473,
431.2607, 432.6839

 35.4508, 44.8843,
40.9569


 89.0335, 107.4600,
102.6320

 24.1784, 31.3663,
27.9659


 114.7008,
136.9405, 132.1530

 15.5915, 20.8779,
18.0612


144.8803,
171.3725, 166.8528

 9.3246, 13.0348,
10.8240

179.9373,
211.1406, 207.1501

 5.0123, 7.4525,
5.8359

220.2371,
256.6290, 253.4633

 2.2893, 3.7467,
2.6784

266.1452,

 0.7892, 1.5329,

308.2223, 306.2109

0.9325

318.0268,
366.3047, 365.8116

■ 0.0000, 0.3117,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.7738, 61.8163,
57.4525

■ 49.7738, 61.8163,
57.4525

■ 44.3782, 59.1800,
50.7168

■ 56.0522, 64.8988,
64.7881

■ 39.8186, 56.9610,
44.5617

■ 63.2473, 68.4396,
72.7343

■ 36.0515, 55.1387,
38.9727

■ 71.3971, 72.4597,
81.3064

■ 33.0271, 53.6880,
33.9329

■ 80.5361, 76.9766,
90.5183

■ 30.6896, 52.5804,
29.4248

■ 83.3565, 78.2227,
100.0394

■ 28.9749, 51.7830,
25.4296

■ 84.3626, 78.6251,
105.3375

■ 27.8053, 51.2564,
21.9272

■ 27.3110, 51.0405,
20.1451

Harmonies

Analogous

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



52.5848, 61.8163, 47.1693



49.7738, 61.8163, 57.4525



49.2903, 61.8163, 72.0011

Triad

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



49.7738, 61.8163, 57.4525



60.3713, 61.8163, 100.2882



66.9914, 61.8163, 50.5935

Complementary

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



49.7738, 61.8163, 57.4525



52.1084, 45.7123, 57.1186

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.



69.3587, 61.8163, 62.8223



49.7738, 61.8163, 57.4525



65.3889, 61.8163, 92.4894

Square

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



49.7738, 61.8163, 57.4525



55.2044, 61.8163, 98.2776



68.7554, 61.8163, 78.2294



62.4537, 61.8163, 43.6408

Rectangle

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



49.7738, 61.8163, 57.4525



50.3226, 61.8163, 82.4493



68.7554, 61.8163, 78.2294



68.0794, 61.8163, 54.1432

Sweetspot

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



49.7755, 61.8189, 57.4539



87.2521, 96.1571, 100.5340



54.1518, 64.3515, 45.1652



18.5384, 20.5141, 21.3685



0.0000, 0.0000, 0.0000



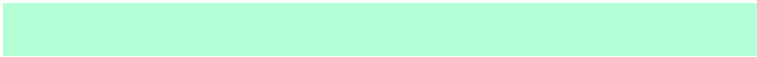
20.3446, 21.4041, 23.3091

Same Dimension

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



49.7755, 61.8189, 57.4539



67.0338, 86.2322, 77.0885



52.9013, 63.0692, 73.9144



13.1304, 14.7038, 15.1498



16.4141, 30.5983, 12.3461



1.1065, 1.9995, 1.0266

Inverse Universe

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



52.1084, 45.7123, 57.1186



70.8939, 59.5760, 76.5298



49.4058, 44.6313, 42.8868



13.3526, 13.1702, 15.1182



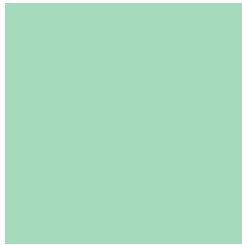
19.3824, 9.7540, 11.6599



1.2989, 0.6492, 0.9831

Previews

White Background



This preview shows how the XYZ color 49.7738, 61.8163, 57.4525 looks on a white background.

Color Contrast Check

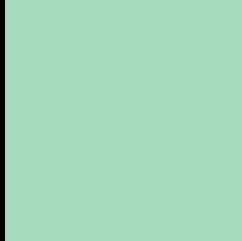
Large Text (above 18pt) WCAG AA × Fail

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 49.7738, 61.8163, 57.4525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

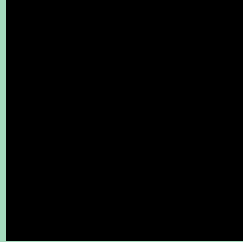
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.7738, 61.8163, 57.4525

Background



This preview shows how black text looks on a background with the XYZ color 49.7738, 61.8163, 57.4525.

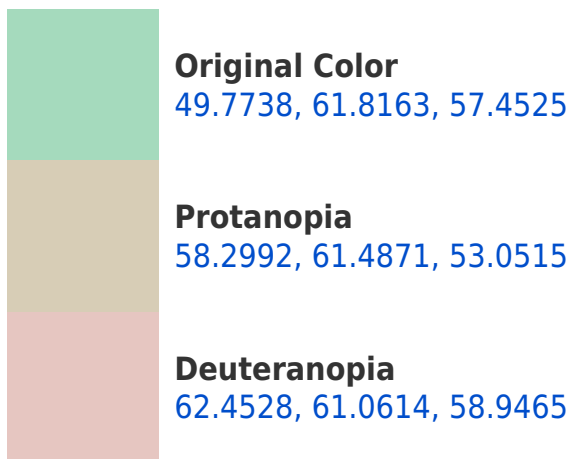


This preview shows how white text looks on a background with the XYZ color 49.7738, 61.8163,

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

54.9199, 61.6283, 83.1296

Trichromacy



Original Color

49.7738, 61.8163, 57.4525

Protanomaly

54.8295, 61.4663, 54.8733

Deuteranomaly

56.7993, 60.5902, 58.5706

Tritanomaly

52.7617, 61.4942, 72.7071

Monochromacy



Original Color

49.7738, 61.8163, 57.4525

Achromatopsia

54.2854, 57.1125, 62.1955

Achromatomaly

52.4151, 58.6475, 60.1873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7738, 61.8163, 57.4525 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, 218, 189)` looks like.

```
.text, #text, p{  
    color:rgb(165, 218, 189)  
}
```

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, 218, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 218, 189) }
```

Border

The CSS property to change the border of an element to XYZ 49.7738, 61.8163, 57.4525 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, 218, 189) }
```


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

```
.border{ border-color:rgb(165, 218, 189) }
```

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

Here you see how a box with a 4 pixel rgb(165, 218, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 218, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 218, 189);  
box-shadow:4px 4px 4px 4px rgb(165, 218,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7738, 61.8163, 57.4525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 218, 189) }
```

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

```
.background{ background-color: rgb(165,  
218, 189) }
```

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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