

Converting Colors

XYZ(49.7968, 62.5159, 49.1752)

Have a look what the booklet for
XYZ(49.7968, 62.5159, 49.1752)
contains.

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Color

**XYZ(49.6689, 62.3381,
48.9498)**

Conversions

Conversions Part 1

Format	Color
Hex	ABDBAD
RGB	171, 219, 173
RGB Percent	67%, 86%, 68%
CMY	0.3294, 0.1412, 0.3216
CMYK	0.22, 0.00, 0.21, 0.14
HSL	123°, 40%, 76%
HSV	123°, 22%, 86%
XYZ	49.6689, 62.3381, 48.9498
YIQ	199.4040, -13.8420, -24.4820

Conversions

Conversions Part 2

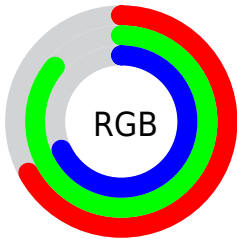
Format	Color
RYB	171, 217, 219
Decimal	11262893
CIELab	83.09, -24.39, 17.64
CIELCh	83, 30.099, 144.128
Yxy	62.3381, 0.3086, 0.3873
Android (android.graphics.Color)	4289452973 (0xFFABDBAD)
YUV	199.4040, -13.0172, -24.9103
Hunter-Lab	78.9545, -25.8791, 18.5098

Details

The XYZ color **49.6689, 62.3381, 48.9498** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **56.3028, 49.1969, 72.1767**, and the grayscale version is **54.6183, 57.4627, 62.5769**.

A 20% lighter version of the original color is **81.5814, 93.5080, 87.8778**, and **24.1979, 31.7829, 22.9485** is the 20% darker color. If you saturate the color by 10%, you get **43.4142, 59.3320, 38.8760**, and if you desaturate by 10%, it is **57.0364, 65.8846, 60.7436**.

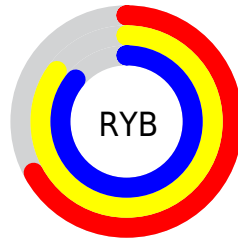
Distribution



Red (67%)

Green (86%)

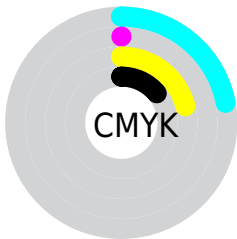
Blue (68%)



Red (67%)

Yellow (85%)

Blue (86%)

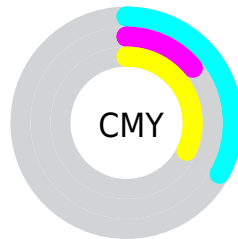


Cyan (22%)

Magenta (0%)

Yellow (21%)

Black (14%)



Cyan (33%)


Magenta (14%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6689, 62.3381, 48.9498 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 49.6689, 62.3381, 48.9498 by changing the saturation by 10% instead.


 49.6689, 62.3381,
48.9498

 49.6689, 62.3381,
48.9498


375.8432,
433.1633, 399.1614

 35.3671, 45.3059,
34.2143


 88.8789, 108.2140,
89.9971

 24.1136, 31.6985,
22.7796


114.5178,
137.8266, 117.1460

 15.5431, 21.1313,
14.2271


144.6664,
172.4014, 149.2699

 9.2902, 13.2200,
8.1382

179.6901,
212.3229, 186.7871

 4.9896, 7.5802,
4.0945

219.9543,
257.9754, 230.1164

 2.2759, 3.8275,
1.6773

265.8243,

 0.7823, 1.5776,

309.7434, 279.6762

0.3451

317.6655,
368.0112, 335.8850

■ 0.0000, 0.3424,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.6689, 62.3381,
48.9498

■ 49.6689, 62.3381,
48.9498

■ 43.4142, 59.3320,
38.8760

■ 57.0364, 65.8846,
60.7436

■ 38.2135, 56.8323,
30.4379

■ 65.5617, 69.9877,
74.3281

■ 34.0103, 54.8136,
23.5506

■ 75.2937, 74.6729,
89.7749

■ 30.7407, 53.2448,
18.1196

■ 84.6228, 79.1455,
105.4243

■ 28.3334, 52.0916,
14.0404

■ 26.7069, 51.3145,
11.1945

■ 25.7640, 50.8662,
9.4427

■ 25.3828, 50.6855,
8.7076

Harmonies

Analogous

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



54.2763, 62.3381, 40.1178



49.6689, 62.3381, 48.9498



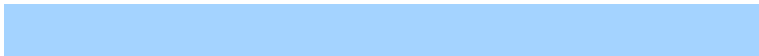
47.6432, 62.3381, 64.2711

Triad

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



49.6689, 62.3381, 48.9498



57.9782, 62.3381, 110.1801



71.4332, 62.3381, 54.2421

Complementary

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



49.6689, 62.3381, 48.9498



56.3028, 49.1969, 72.1767

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.



72.6047, 62.3381, 71.6124



49.6689, 62.3381, 48.9498



64.5197, 62.3381, 106.1612

Square

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



49.6689, 62.3381, 48.9498



52.2094, 62.3381, 101.2923



69.9913, 62.3381, 91.1416



66.8978, 62.3381, 42.7587

Rectangle

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



49.6689, 62.3381, 48.9498



47.9145, 62.3381, 77.0137



69.9913, 62.3381, 91.1416



72.2467, 62.3381, 59.4905

Sweetspot

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



49.6706, 62.3407, 48.9512



86.1522, 95.7172, 94.7419



61.4192, 68.4196, 48.4977



18.2843, 20.4124, 20.0303



0.0000, 0.0000, 0.0000



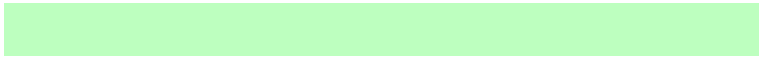
20.3446, 21.4041, 23.3091

Same Dimension

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



49.6706, 62.3407, 48.9512



66.1270, 86.0825, 62.6884



52.1601, 63.3366, 62.0612



12.9084, 14.6150, 13.9806



15.0600, 30.0566, 5.2153



0.9836, 1.9504, 0.3796

Inverse Universe

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



56.3028, 49.1969, 72.1767



76.9813, 64.5695, 100.6979



53.4486, 48.0552, 57.1465



13.5897, 13.2650, 16.3667



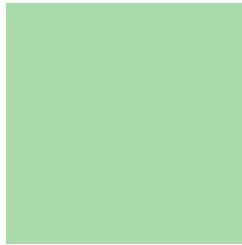
24.2209, 11.6894, 37.1390



1.5766, 0.7603, 2.4452

Previews

White Background



This preview shows how the XYZ color 49.6689, 62.3381, 48.9498 looks on a white background.

Color Contrast Check

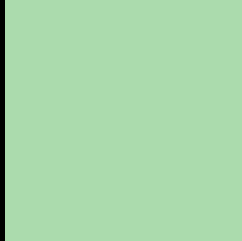
Large Text (above 18pt) WCAG AA × Fail

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 49.6689, 62.3381, 48.9498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

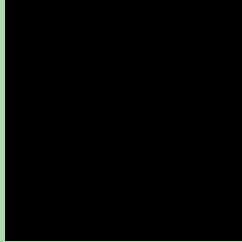
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6689, 62.3381, 48.9498

Background



This preview shows how black text looks on a background with the XYZ color 49.6689, 62.3381, 48.9498.



This preview shows how white text looks on a background with the XYZ color 49.6689, 62.3381,

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

49.6689, 62.3381, 48.9498

Protanopia

58.2598, 61.9927, 45.4544

Deuteranopia

63.2843, 62.0257, 50.2317



Tritanopia

56.3539, 62.0137, 82.3985

Trichromacy



Original Color

49.6689, 62.3381, 48.9498

Protanomaly

54.8128, 62.0097, 46.6162

Deuteranomaly

57.3484, 61.4233, 49.9076

Tritanomaly

53.5632, 61.9943, 68.8175

Monochromacy



Original Color

49.6689, 62.3381, 48.9498

Achromatopsia

54.2854, 57.1125, 62.1955

Achromatomaly

52.3518, 58.6791, 57.2822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6689, 62.3381, 48.9498 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(171, 219, 173)` looks like.

```
.text, #text, p{  
    color:rgb(171, 219, 173)  
}
```

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(171, 219, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 219, 173) }
```

Border

The CSS property to change the border of an element to XYZ 49.6689, 62.3381, 48.9498 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(171, 219, 173) }
```


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

```
.border{ border-color:rgb(171, 219, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 219, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 219, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 219, 173);  
box-shadow:4px 4px 4px 4px rgb(171, 219,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6689, 62.3381, 48.9498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 219, 173) }
```

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

```
.background{ background-color: rgb(171,  
219, 173) }
```

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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