

Converting Colors

XYZ(49.8184, 62.9404, 48.0532)

Have a look what the booklet for
XYZ(49.8184, 62.9404, 48.0532)
contains.

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Color

**XYZ(49.7385, 62.7846,
48.0252)**

Conversions

Conversions Part 1

Format	Color
Hex	ABDCAB
RGB	171, 220, 171
RGB Percent	67%, 86%, 67%
CMY	0.3294, 0.1372, 0.3294
CMYK	0.22, 0.00, 0.22, 0.14
HSL	120°, 41%, 77%
HSV	120°, 22%, 86%
XYZ	49.7385, 62.7846, 48.0252
YIQ	199.7630, -13.4750, -25.6270

Conversions

Conversions Part 2

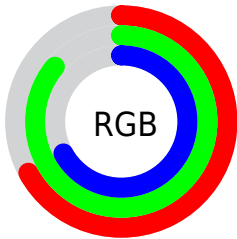
Format	Color
RYB	171, 220, 220
Decimal	11263147
CIELab	83.33, -25.22, 19.02
CIELCh	83, 31.585, 142.984
Yxy	62.7846, 0.3098, 0.3911
Android (android.graphics.Color)	4289453227 (0xFFABDCAB)
YUV	199.7630, -14.1802, -25.2252
Hunter-Lab	79.2367, -26.6162, 19.5302

Details

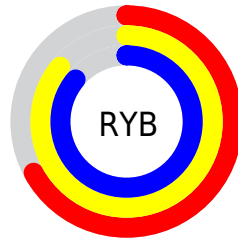
The XYZ color **49.7385, 62.7846, 48.0252** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **56.9986, 49.5102, 74.2653**, and the grayscale version is **54.8457, 57.7019, 62.8374**.

A 20% lighter version of the original color is **81.1660, 93.3419, 85.6904**, and **24.2561, 32.0937, 22.3690** is the 20% darker color. If you saturate the color by 10%, you get **43.4140, 59.7485, 37.6789**, and if you desaturate by 10%, it is **57.2131, 66.3769, 60.2499**.

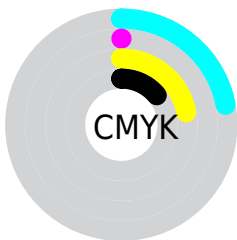
Distribution



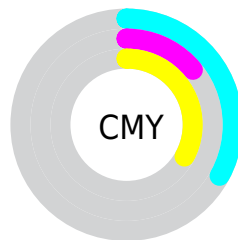
- Red (67%)
- Green (86%)
- Blue (67%)



- Red (67%)
- Yellow (86%)
- Blue (86%)



- Cyan (22%)
- Magenta (0%)
- Yellow (22%)
- Black (14%)





- Cyan (33%)
- Magenta (14%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7385, 62.7846, 48.0252 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 49.7385, 62.7846, 48.0252 by changing the saturation by 10% instead.


 49.7385, 62.7846,
48.0252

 49.7385, 62.7846,
48.0252


376.1113,
434.7873, 395.4036

 35.4226, 45.6670,
33.4867


 88.9814, 108.8587,
88.6079

 24.1566, 31.9831,
22.2254


114.6392,
138.5840, 115.4891

 15.5752, 21.3486,
13.8227


144.8083,
173.2805, 147.3217

 9.3130, 13.3791,
7.8601

179.8541,
213.3329, 184.5242

 5.0046, 7.6901,
3.9191

220.1420,
259.1253, 227.5151

 2.2848, 3.8973,
1.5811

266.0372,

 0.7869, 1.6163,

311.0423, 276.7129

0.2773

317.9052,
369.4682, 332.5362

■ 0.0000, 0.3685,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.7385, 62.7846,
48.0252

■ 49.7385, 62.7846,
48.0252

■ 43.4140, 59.7485,
37.6789

■ 57.2131, 66.3769,
60.2499

■ 38.1777, 57.2332,
29.1141

■ 65.8855, 70.5427,
74.4351

■ 33.9700, 55.2120,
22.2315

■ 75.8068, 75.3084,
90.6632

■ 30.7230, 53.6524,
16.9205

■ 84.8844, 79.6688,
105.5115

■ 28.3612, 52.5178,
13.0572

■ 26.7973, 51.7666,
10.4991

■ 25.9267, 51.3485,
9.0751

■ 25.5944, 51.1888,
8.5315

Harmonies

Analogous

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



54.6650, 62.7846, 39.1182



49.7385, 62.7846, 48.0252



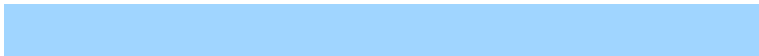
47.5031, 62.7846, 63.8450

Triad

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



49.7385, 62.7846, 48.0252



58.0762, 62.7846, 113.1934



72.6779, 62.7846, 54.6306

Complementary

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



49.7385, 62.7846, 48.0252



56.9986, 49.5102, 74.2653

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.



73.7662, 62.7846, 73.0866



49.7385, 62.7846, 48.0252



64.9818, 62.7846, 109.4297

Square

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



49.7385, 62.7846, 48.0252



52.0717, 62.7846, 103.2286



70.8536, 62.7846, 93.7551



67.9843, 62.7846, 42.3898

Rectangle

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



49.7385, 62.7846, 48.0252



47.7085, 62.7846, 77.2170



70.8536, 62.7846, 93.7551



73.4915, 62.7846, 60.2108

Sweetspot

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



49.7402, 62.7873, 48.0266



86.0432, 95.6736, 94.1677



62.4618, 69.3455, 48.6217



18.2592, 20.4024, 19.8980



0.0000, 0.0000, 0.0000



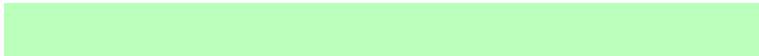
20.3446, 21.4041, 23.3091

Same Dimension

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



49.7402, 62.7873, 48.0266



64.9251, 85.5295, 59.6254



52.2966, 63.8098, 61.4887



12.8866, 14.6063, 13.8657



15.0204, 30.0408, 5.0069



0.9731, 1.9462, 0.3244

Inverse Universe

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



56.9986, 49.5102, 74.2653



76.8804, 63.6610, 102.8429



53.9871, 48.3056, 58.4069



13.6144, 13.2749, 16.4969



24.9036, 11.9625, 40.7339



1.6134, 0.7750, 2.6389

Previews

White Background



This preview shows how the XYZ color 49.7385, 62.7846, 48.0252 looks on a white background.

Color Contrast Check

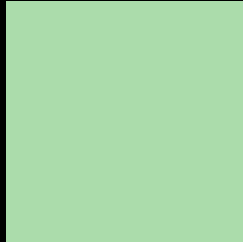
Large Text (above 18pt) WCAG AA × Fail

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 49.7385, 62.7846, 48.0252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

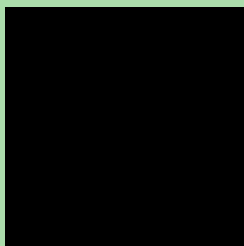
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

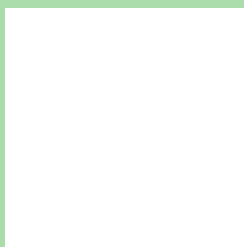
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.7385, 62.7846, 48.0252

Background



This preview shows how black text looks on a background with the XYZ color 49.7385, 62.7846, 48.0252.

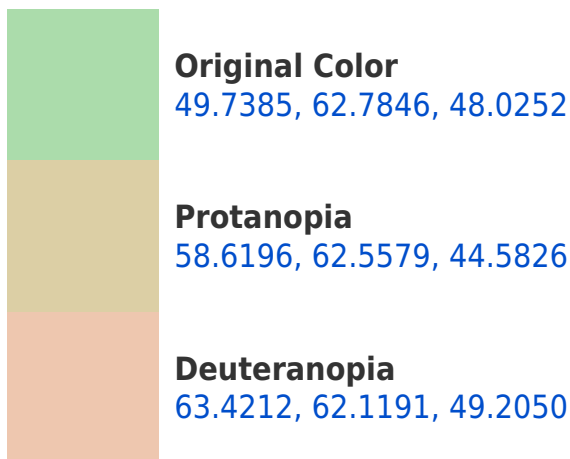


This preview shows how white text looks on a background with the XYZ color 49.7385, 62.7846,

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

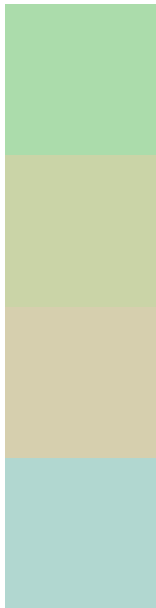




Tritanopia

56.7424, 62.5679, 83.2149

Trichromacy



Original Color

49.7385, 62.7846, 48.0252

Protanomaly

54.8757, 62.4335, 45.7178

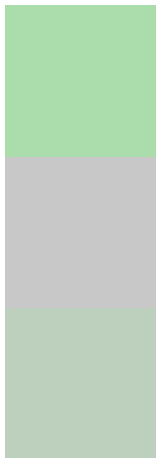
Deuteranomaly

57.6844, 61.9778, 48.9670

Tritanomaly

53.8171, 62.5021, 68.9022

Monochromacy



Original Color

49.7385, 62.7846, 48.0252

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

52.4844, 59.1186, 56.7889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7385, 62.7846, 48.0252 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, 220, 171)` looks like.

```
.text, #text, p{  
    color:rgb(171, 220, 171)  
}
```

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, 220, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 220, 171) }
```

Border

The CSS property to change the border of an element to XYZ 49.7385, 62.7846, 48.0252 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, 220, 171) }
```


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

```
.border{ border-color:rgb(171, 220, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 220, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 220, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 220, 171);  
box-shadow:4px 4px 4px 4px rgb(171, 220,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7385, 62.7846, 48.0252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 220, 171) }
```

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

```
.background{ background-color: rgb(171,  
220, 171) }
```

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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