

Converting Colors

XYZ(49.4481, 63.9594, 56.8679)

Have a look what the booklet for
XYZ(49.4481, 63.9594, 56.8679)
contains.

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Color

**XYZ(49.5299, 64.0673,
56.7694)**

Conversions

Conversions Part 1

Format	Color
Hex	9DE0BB
RGB	157, 224, 187
RGB Percent	62%, 88%, 73%
CMY	0.3843, 0.1216, 0.2667
CMYK	0.30, 0.00, 0.17, 0.12
HSL	147°, 52%, 75%
HSV	147°, 30%, 88%
XYZ	49.5299, 64.0673, 56.7694
YIQ	199.7490, -28.0550, -25.7110

Conversions

Conversions Part 2

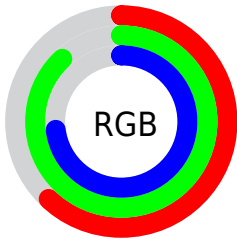
Format	Color
RYB	157, 203, 224
Decimal	10346683
CIELab	84.00, -28.68, 11.44
CIElCh	84, 30.879, 158.247
Yxy	64.0673, 0.2907, 0.3761
Android (android.graphics.Color)	4288536763 (0xFF9DE0BB)
YUV	199.7490, -6.2853, -37.4909
Hunter-Lab	80.0421, -29.6181, 13.9783

Details

The XYZ color **49.5299, 64.0673, 56.7694** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **52.5372, 43.8577, 56.7379**, and the grayscale version is **54.7965, 57.6502, 62.7810**.

A 20% lighter version of the original color is **79.3782, 92.1372, 98.3946**, and **24.0146, 32.6696, 27.5944** is the 20% darker color. If you saturate the color by 10%, you get **44.2862, 61.5123, 49.9066**, and if you desaturate by 10%, it is **55.6925, 67.0863, 64.2735**.

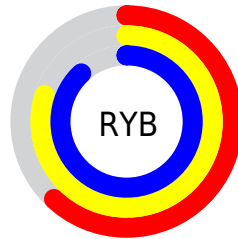
Distribution



Red (62%)

Green (88%)

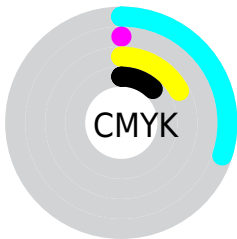
Blue (73%)



Red (62%)

Yellow (80%)

Blue (88%)

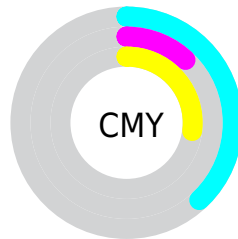


Cyan (30%)

Magenta (0%)

Yellow (17%)

Black (12%)



Cyan (38%)


Magenta (12%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5299, 64.0673, 56.7694 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 49.5299, 64.0673, 56.7694 by changing the saturation by 10% instead.


 49.5299, 64.0673,
56.7694


 49.5299, 64.0673,
56.7694


375.3072,
439.4326, 430.0542

 35.2563, 46.7052,
40.4120

 88.6740, 110.7079,
101.6256

 24.0278, 32.8027,
27.5437

 114.2751,
140.7551, 130.9615

 15.4791, 21.9753,
17.7459


144.3828,
175.7995, 165.4607

 9.2448, 13.8388,
10.6002

179.3624,
216.2254, 205.5416

 4.9596, 8.0086,
5.6879

219.5793,
262.4173, 251.6229

 2.2581, 4.1005,
2.5906

265.3988,

 0.7731, 1.7299,

314.7595, 304.1231

0.8876

317.1863,
373.6365, 363.4606

0.0000, 0.4429,
0.0000

0.0000, 0.0000,
0.0000

49.5299, 64.0673,
56.7694

49.5299, 64.0673,
56.7694

44.2862, 61.5123,
49.9066

55.6925, 67.0863,
64.2735

39.9093, 59.3896,
43.6637

62.8119, 70.5833,
72.4311

36.3500, 57.6759,
38.0242

70.9303, 74.5815,
81.2594

33.5518, 56.3423,
32.9692

80.0858, 79.1003,
90.7737

■ 31.4502, 55.3561,
28.4788

■ 84.9733, 81.4043,
100.7386

■ 29.9692, 54.6785,
24.5315

■ 85.9469, 81.7938,
105.8656

■ 28.9793, 54.2430,
21.1025

■ 28.9715, 54.2396,
21.0743

Harmonies

Analogous

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



53.1466, 64.0673, 44.2694



49.5299, 64.0673, 56.7694



48.8390, 64.0673, 75.2735

Triad

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



49.5299, 64.0673, 56.7694



62.7905, 64.0673, 113.8135



71.7610, 64.0673, 49.0339

Complementary

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



49.5299, 64.0673, 56.7694



52.5372, 43.8577, 56.7379

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.



74.7856, 64.0673, 64.5195



49.5299, 64.0673, 56.7694



69.3600, 64.0673, 103.5276

Square

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



49.5299, 64.0673, 56.7694



56.1715, 64.0673, 110.6808



73.8757, 64.0673, 84.5914



65.8741, 64.0673, 40.4169

Rectangle

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



49.5299, 64.0673, 56.7694



50.0778, 64.0673, 89.0423



73.8757, 64.0673, 84.5914



73.1654, 64.0673, 53.4814

Sweetspot

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



49.5316, 64.0700, 56.7708



85.1309, 95.1146, 98.1332



55.2407, 67.3462, 41.9866



17.9007, 20.2006, 20.6470



0.0000, 0.0000, 0.0000



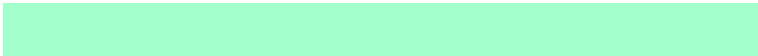
20.3446, 21.4041, 23.3091

Same Dimension

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



49.5316, 64.0700, 56.7708



61.8407, 83.7018, 70.2141



53.4189, 65.6249, 77.2410



13.7826, 15.4388, 15.8902



16.9188, 31.5924, 12.5615



1.2173, 2.2077, 1.1056

Inverse Universe

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



52.5372, 43.8577, 56.7379



66.4972, 52.3753, 70.1541



49.2735, 42.5523, 39.5516



14.0224, 13.8266, 15.8883



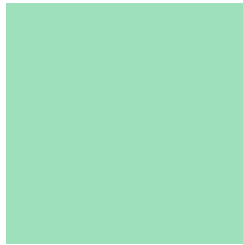
20.0588, 10.0905, 12.2412



1.4353, 0.7174, 1.0850

Previews

White Background



This preview shows how the XYZ color 49.5299, 64.0673, 56.7694 looks on a white background.

Color Contrast Check

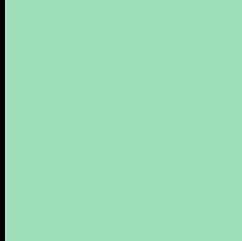
Large Text (above 18pt) WCAG AA × Fail

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 49.5299, 64.0673, 56.7694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

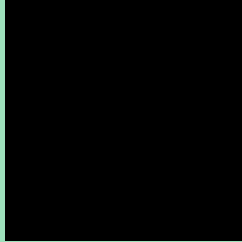
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.5299, 64.0673, 56.7694

Background



This preview shows how black text looks on a background with the XYZ color 49.5299, 64.0673, 56.7694.



This preview shows how white text looks on a background with the XYZ color 49.5299, 64.0673,

56.7694.

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

49.5299, 64.0673, 56.7694

Protanopia

59.9060, 63.4265, 51.7330

Deuteranopia

64.6620, 63.2412, 58.6679



Tritanopia

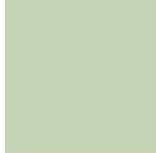
55.7446, 63.8394, 87.9814

Trichromacy



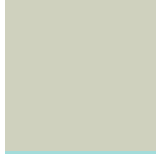
Original Color

49.5299, 64.0673, 56.7694



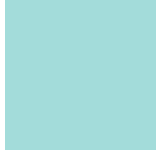
Protanomaly

55.2550, 63.2063, 53.5438



Deuteranomaly

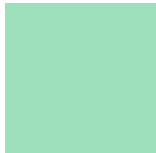
57.8269, 62.5840, 57.7473



Tritanomaly

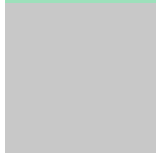
53.3523, 64.0349, 75.8777

Monochromacy



Original Color

49.5299, 64.0673, 56.7694



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

52.4180, 59.7314, 60.3964

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5299, 64.0673, 56.7694 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, 224, 187)` looks like.

```
.text, #text, p{  
    color:rgb(157, 224, 187)  
}
```

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, 224, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 224, 187) }
```

Border

The CSS property to change the border of an element to XYZ 49.5299, 64.0673, 56.7694 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, 224, 187) }
```


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

```
.border{ border-color:rgb(157, 224, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 224, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 224, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 224, 187);  
box-shadow:4px 4px 4px 4px rgb(157, 224,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5299, 64.0673, 56.7694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 224, 187) }
```

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

```
.background{ background-color: rgb(157,  
224, 187) }
```

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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