

Converting Colors

XYZ(49.2819, 63.6535, 49.4514)

Have a look what the booklet for
XYZ(49.2819, 63.6535, 49.4514)
contains.

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Color

**XYZ(49.2403, 63.6850,
49.2324)**

Conversions

Conversions Part 1

Format	Color
Hex	A4DFAD
RGB	164, 223, 173
RGB Percent	64%, 87%, 68%
CMY	0.3569, 0.1255, 0.3216
CMYK	0.26, 0.00, 0.22, 0.13
HSL	129°, 48%, 76%
HSV	129°, 26%, 87%
XYZ	49.2403, 63.6850, 49.2324
YIQ	199.6590, -19.1140, -28.0580

Conversions

Conversions Part 2

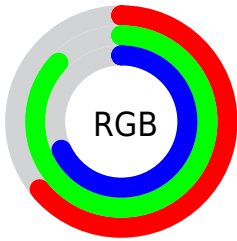
Format	Color
RYB	164, 215, 223
Decimal	10805165
CIELab	83.80, -28.61, 18.56
CIELCh	84, 34.102, 147.017
Yxy	63.6850, 0.3037, 0.3927
Android (android.graphics.Color)	4288995245 (0xFFA4DFAD)
YUV	199.6590, -13.1429, -31.2729
Hunter-Lab	79.8029, -29.5162, 19.2845

Details

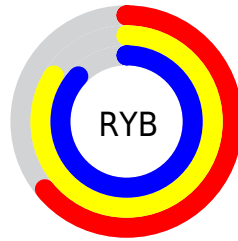
The XYZ color **49.2403, 63.6850, 49.2324** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **55.8466, 47.0952, 69.7676**, and the grayscale version is **54.7780, 57.6307, 62.7598**.

A 20% lighter version of the original color is **79.4181, 92.3928, 87.7766**, and **23.9483, 32.7408, 22.8267** is the 20% darker color. If you saturate the color by 10%, you get **43.3343, 60.8387, 40.0762**, and if you desaturate by 10%, it is **56.2154, 67.0561, 59.7917**.

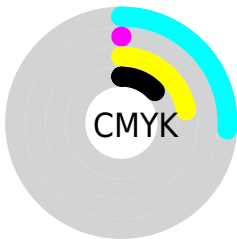
Distribution



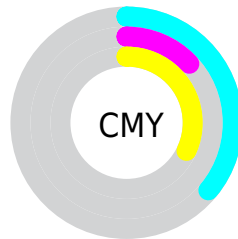
- Red (64%)
- Green (87%)
- Blue (68%)



- Red (64%)
- Yellow (84%)
- Blue (87%)



- Cyan (26%)
- Magenta (0%)
- Yellow (22%)
- Black (13%)





- Cyan (36%)
- Magenta (13%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2403, 63.6850, 49.2324 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 49.2403, 63.6850, 49.2324 by changing the saturation by 10% instead.


 49.2403, 63.6850,
49.2324


 49.2403, 63.6850,
49.2324


374.1888,
438.0512, 400.3052

 35.0255, 46.3956,
34.4370


 88.2468, 110.1572,
90.4211

 23.8491, 32.5581,
22.9494


 113.7692,
140.1087, 117.6514

 15.3458, 21.7881,
14.3512


143.7915,
175.0497, 149.8638

 9.1504, 13.7013,
8.2238

178.6791,
215.3647, 187.4767

 4.8973, 7.9132,
4.1487

218.7972,
261.4379, 230.9088

 2.2213, 4.0395,
1.7073

264.5113,

 0.7539, 1.6957,

313.6538, 280.5786

0.3657

316.1867,
372.3968, 336.9045

■ 0.0000, 0.4208,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.2403, 63.6850,
49.2324

■ 49.2403, 63.6850,
49.2324

■ 43.3343, 60.8387,
40.0762

■ 56.2154, 67.0561,
59.7917

■ 38.4393, 58.4832,
32.2598

■ 64.3036, 70.9682,
71.8051

■ 34.4996, 56.5928,
25.7218

■ 73.5529, 75.4467,
85.3265

■ 31.4516, 55.1363,
20.3939

■ 84.0068, 80.5130,
100.4055

■ 29.2244, 54.0786,
16.2018

■ 85.6789, 81.2579,
105.7763

■ 27.7355, 53.3790,
13.0626

■ 26.8830, 52.9869,
10.8822

■ 26.6779, 52.8935,
10.3182

Harmonies

Analogous

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



54.2240, 63.6850, 38.7163



49.2403, 63.6850, 49.2324



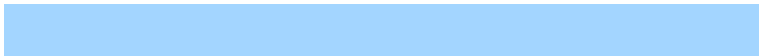
47.2626, 63.6850, 67.2188

Triad

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



49.2403, 63.6850, 49.2324



59.7846, 63.6850, 119.2009



74.2824, 63.6850, 52.2494

Complementary

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



49.2403, 63.6850, 49.2324



55.8466, 47.0952, 69.7676

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.



76.0750, 63.6850, 71.5098



49.2403, 63.6850, 49.2324



67.3083, 63.6850, 112.9377

Square

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



49.2403, 63.6850, 49.2324



53.0272, 63.6850, 109.9937



73.4271, 63.6850, 94.2949



68.7106, 63.6850, 40.1893

Rectangle

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



49.2403, 63.6850, 49.2324



47.7824, 63.6850, 82.1212



73.4271, 63.6850, 94.2949



75.3659, 63.6850, 57.9627

Sweetspot

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



49.2420, 63.6877, 49.2338



85.2794, 95.2703, 94.5616



60.8664, 69.7776, 45.3828



17.8845, 20.2133, 19.6947



0.0000, 0.0000, 0.0000



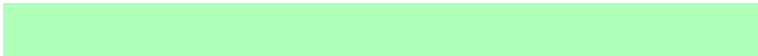
20.3446, 21.4041, 23.3091

Same Dimension

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



49.2420, 63.6877, 49.2338



61.9290, 83.9886, 59.3172



52.4015, 64.9515, 65.8718



13.6136, 15.3712, 15.0004



15.7115, 31.1095, 6.2040



1.1159, 2.1671, 0.5717

Inverse Universe

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



55.8466, 47.0952, 69.7676



72.3704, 57.7448, 91.7712



52.4288, 45.7281, 51.7698



14.2005, 13.8978, 16.8258



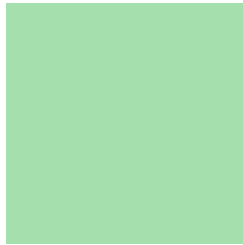
23.3267, 11.3977, 29.4498



1.6415, 0.7999, 2.1711

Previews

White Background



This preview shows how the XYZ color 49.2403, 63.6850, 49.2324 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 49.2403, 63.6850, 49.2324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

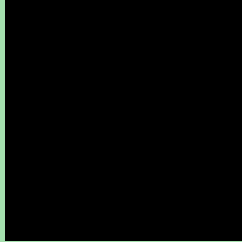
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.2403, 63.6850, 49.2324

Background



This preview shows how black text looks on a background with the XYZ color 49.2403, 63.6850, 49.2324.

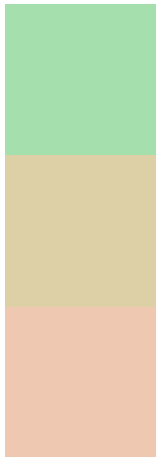


This preview shows how white text looks on a background with the XYZ color 49.2403, 63.6850,

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
49.2403, 63.6850, 49.2324
Protanopia
59.2576, 63.2371, 45.1592
Deuteranopia
64.2868, 62.8736, 50.8670



Tritanopia

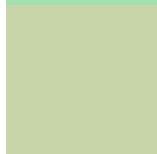
56.5451, 63.5410, 85.6283

Trichromacy



Original Color

49.2403, 63.6850, 49.2324



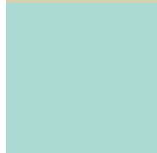
Protanomaly

54.7751, 62.7324, 46.7577



Deuteranomaly

57.5437, 62.2434, 50.0556



Tritanomaly

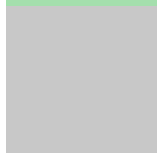
53.6239, 63.5039, 71.0592

Monochromacy



Original Color

49.2403, 63.6850, 49.2324



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

52.3437, 59.3943, 57.4206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2403, 63.6850, 49.2324 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(164, 223, 173)` looks like.

```
.text, #text, p{  
    color:rgb(164, 223, 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(164, 223, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 223, 173) }
```

Border

The CSS property to change the border of an element to XYZ 49.2403, 63.6850, 49.2324 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(164, 223, 173) }
```


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

```
.border{ border-color:rgb(164, 223, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 223, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 223, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 223, 173);  
box-shadow:4px 4px 4px 4px rgb(164, 223,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2403, 63.6850, 49.2324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 223, 173) }
```

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

```
.background{ background-color: rgb(164,  
223, 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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