

Converting Colors

XYZ(49.2143, 63.9333, 47.5849)

Have a look what the booklet for
XYZ(49.2143, 63.9333, 47.5849)
contains.

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Color

**XYZ(49.4284, 64.2129,
47.8194)**

Conversions

Conversions Part 1

Format	Color
Hex	A5E0AA
RGB	165, 224, 170
RGB Percent	65%, 88%, 67%
CMY	0.3529, 0.1216, 0.3333
CMYK	0.26, 0.00, 0.24, 0.12
HSL	125°, 49%, 76%
HSV	125°, 26%, 88%
XYZ	49.4284, 64.2129, 47.8194
YIQ	200.2030, -17.8300, -29.3020

Conversions

Conversions Part 2

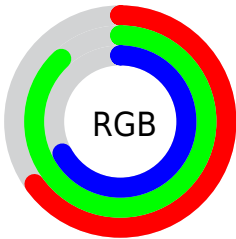
Format	Color
RYB	165, 219, 224
Decimal	10870954
CIELab	84.08, -29.28, 20.52
CIELCh	84, 35.756, 144.975
Yxy	64.2129, 0.3061, 0.3977
Android (android.graphics.Color)	4289061034 (0xFFA5E0AA)
YUV	200.2030, -14.8901, -30.8730
Hunter-Lab	80.1330, -30.1285, 20.7117

Details

The XYZ color **49.4284, 64.2129, 47.8194** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **56.9840, 47.8734, 73.2576**, and the grayscale version is **55.1230, 57.9936, 63.1551**.

A 20% lighter version of the original color is **79.1694, 92.3284, 84.8827**, and **23.9547, 32.7580, 22.1999** is the 20% darker color. If you saturate the color by 10%, you get **43.3804, 61.3038, 38.1900**, and if you desaturate by 10%, it is **56.5983, 67.6691, 59.0829**.

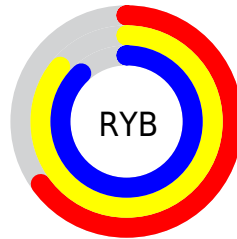
Distribution



Red (65%)

Green (88%)

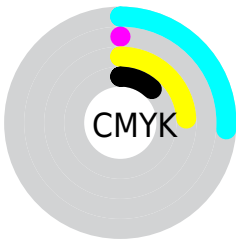
Blue (67%)



Red (65%)

Yellow (86%)

Blue (88%)

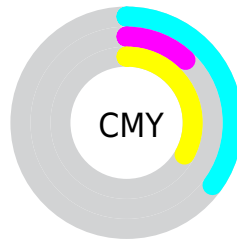


Cyan (26%)

Magenta (0%)

Yellow (24%)

Black (12%)



Cyan (35%)


Magenta (12%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4284, 64.2129, 47.8194 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 49.4284, 64.2129, 47.8194 by changing the saturation by 10% instead.


 49.4284, 64.2129,
47.8194


 49.4284, 64.2129,
47.8194


374.9155,
439.9581, 394.5639

 35.1754, 46.8231,
33.3249


 88.5243, 110.9175,
88.2982

 23.9651, 32.8959,
22.1023

 114.0979,
141.0011, 115.1196

 15.4324, 22.0467,
13.7331


144.1757,
176.0848, 146.8870

 9.2117, 13.8912,
7.7986

179.1230,
216.5529, 184.0191

 4.9377, 8.0450,
3.8804

219.3053,
262.7899, 226.9342

 2.2451, 4.1238,
1.5600

265.0879,

 0.7664, 1.7430,

315.1802, 276.0510

0.2620

316.8362,
374.1081, 331.7881

■ 0.0000, 0.4513,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.4284, 64.2129,
47.8194

■ 49.4284, 64.2129,
47.8194

■ 43.3804, 61.3038,
38.1900

■ 56.5983, 67.6691,
59.0829

■ 38.3928, 58.9061,
30.1147

■ 64.9376, 71.6899,
72.0468

■ 34.4056, 56.9926,
23.5135

■ 74.4971, 76.3018,
86.7792

■ 31.3511, 55.5303,
18.2973

■ 85.3233, 81.5275,
103.3429

■ 29.1530, 54.4818,
14.3675

■ 85.9469, 81.7938,
105.8656

■ 27.7228, 53.8041,
11.6124

■ 26.9515, 53.4435,
9.9013

■ 26.7743, 53.3608,
9.5039

Harmonies

Analogous

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



54.8460, 64.2129, 37.4532



49.4284, 64.2129, 47.8194



47.1276, 64.2129, 66.1782

Triad

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



49.4284, 64.2129, 47.8194



59.7126, 64.2129, 122.7697



75.8502, 64.2129, 53.1235

Complementary

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



49.4284, 64.2129, 47.8194



56.9840, 47.8734, 73.2576

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.



77.4341, 64.2129, 73.7939



49.4284, 64.2129, 47.8194



67.6674, 64.2129, 117.1842

Square

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



49.4284, 64.2129, 47.8194



52.7295, 64.2129, 111.8936



74.3238, 64.2129, 97.9487



70.1642, 64.2129, 40.0211

Rectangle

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



49.4284, 64.2129, 47.8194



47.5134, 64.2129, 81.7605



74.3238, 64.2129, 97.9487



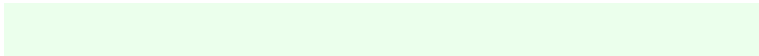
76.8996, 64.2129, 59.2762

Sweetspot

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



49.4301, 64.2156, 47.8208



85.0772, 95.1894, 93.4971



62.6883, 71.1041, 46.0184



17.8340, 20.1931, 19.4291



0.0000, 0.0000, 0.0000



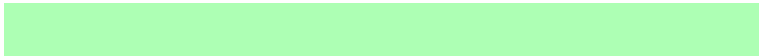
20.3446, 21.4041, 23.3091

Same Dimension

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



49.4301, 64.2156, 47.8208



61.3526, 83.7581, 56.2822



52.5318, 65.4563, 64.1544



13.5757, 15.3560, 14.8009



15.6011, 31.0653, 5.6226



1.0979, 2.1599, 0.4770

Inverse Universe

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



56.9840, 47.8734, 73.2576



73.2167, 58.0833, 96.2276



53.4463, 46.4584, 54.6287



14.2423, 13.9145, 17.0461



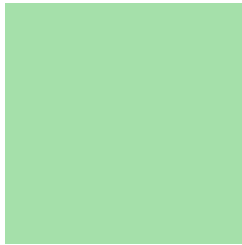
24.3295, 11.7988, 34.7307



1.7014, 0.8238, 2.4862

Previews

White Background



This preview shows how the XYZ color 49.4284, 64.2129, 47.8194 looks on a white background.

Color Contrast Check

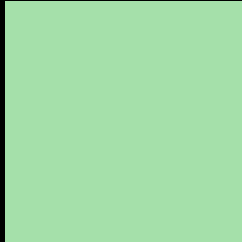
Large Text (above 18pt) WCAG AA × Fail

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 49.4284, 64.2129, 47.8194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

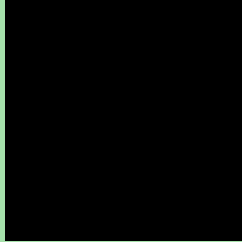
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.4284, 64.2129, 47.8194

Background



This preview shows how black text looks on a background with the XYZ color 49.4284, 64.2129, 47.8194.



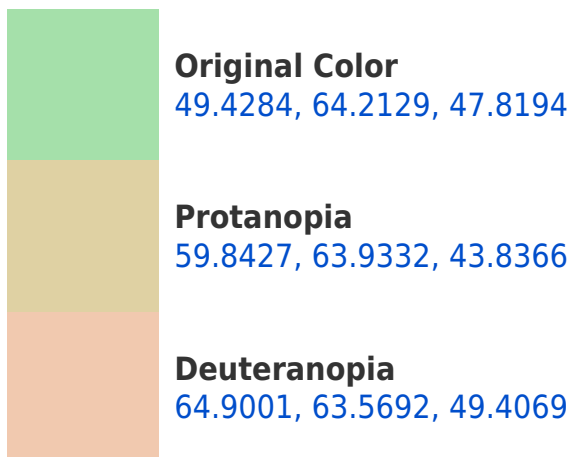
This preview shows how white text looks on a background with the XYZ color 49.4284, 64.2129, 47.8194.

47.8194.

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

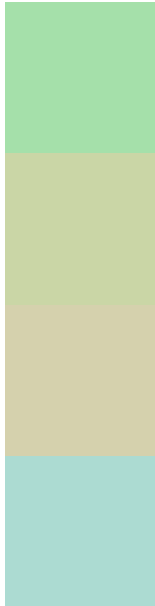




Tritanopia

57.1683, 64.2250, 86.4744

Trichromacy



Original Color

49.4284, 64.2129, 47.8194

Protanomaly

55.2866, 63.4029, 45.4005

Deuteranomaly

57.7839, 62.7642, 48.6043

Tritanomaly

53.9776, 64.0868, 70.4978

Monochromacy



Original Color

49.4284, 64.2129, 47.8194

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

52.4793, 59.8398, 56.9284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4284, 64.2129, 47.8194 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, 224, 170)` looks like.

```
.text, #text, p{  
    color:rgb(165, 224, 170)  
}
```

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, 224, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 224, 170) }
```

Border

The CSS property to change the border of an element to XYZ 49.4284, 64.2129, 47.8194 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, 224, 170) }
```


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

```
.border{ border-color:rgb(165, 224, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 224, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 224, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 224, 170);  
box-shadow:4px 4px 4px 4px rgb(165, 224,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4284, 64.2129, 47.8194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 224, 170) }
```

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

```
.background{ background-color: rgb(165,  
224, 170) }
```

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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