

Converting Colors

XYZ(49.0884, 64.2207, 46.7820)

Have a look what the booklet for
XYZ(49.0884, 64.2207, 46.7820)
contains.

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Color

**XYZ(49.0334, 64.0310,
46.8207)**

Conversions

Conversions Part 1

Format	Color
Hex	A4E0A8
RGB	164, 224, 168
RGB Percent	64%, 88%, 66%
CMY	0.3569, 0.1216, 0.3412
CMYK	0.27, 0.00, 0.25, 0.12
HSL	124°, 49%, 76%
HSV	124°, 27%, 88%
XYZ	49.0334, 64.0310, 46.8207
YIQ	199.6760, -17.7840, -30.1360

Conversions

Conversions Part 2

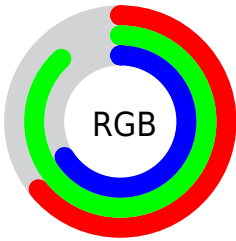
Format	Color
RYB	164, 220, 224
Decimal	10805416
CIELab	83.98, -29.95, 21.42
CIELCh	84, 36.822, 144.419
Yxy	64.0310, 0.3067, 0.4005
Android (android.graphics.Color)	4288995496 (0xFFA4E0A8)
YUV	199.6760, -15.6163, -31.2879
Hunter-Lab	80.0194, -30.6546, 21.3220

Details

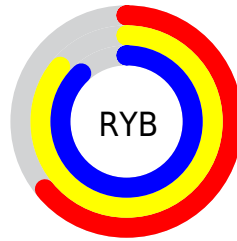
The XYZ color **49.0334, 64.0310, 46.8207** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **56.9364, 47.5669, 73.8933**, and the grayscale version is **54.8026, 57.6566, 62.7881**.

A 20% lighter version of the original color is **78.5945, 92.0634, 83.4397**, and **23.7106, 32.6457, 21.5746** is the 20% darker color. If you saturate the color by 10%, you get **43.0178, 61.1389, 37.1767**, and if you desaturate by 10%, it is **56.1798, 67.4735, 58.1550**.

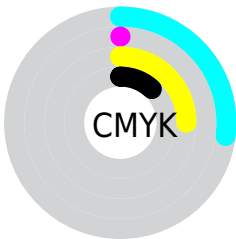
Distribution



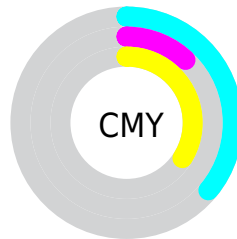
- Red (64%)
- Green (88%)
- Blue (66%)



- Red (64%)
- Yellow (86%)
- Blue (88%)



- Cyan (27%)
- Magenta (0%)
- Yellow (25%)
- Black (12%)





- Cyan (36%)
- Magenta (12%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0334, 64.0310, 46.8207 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 49.0334, 64.0310, 46.8207 by changing the saturation by 10% instead.


 49.0334, 64.0310,
46.8207


 49.0334, 64.0310,
46.8207

373.3886,
439.3016, 390.4714

 34.8606, 46.6758,
32.5406


 87.9415, 110.6556,
86.7931

 23.7215, 32.7794,
21.5065


 113.4075,
140.6937, 113.3225

 15.2508, 21.9575,
13.2999


143.3686,
175.7283, 144.7720

 9.0831, 13.8257,
7.5022

178.1902,
216.1437, 181.5603

 4.8529, 7.9995,
3.6950

218.2377,
262.3244, 224.1059

 2.1951, 4.0946,
1.4595

263.8763,

 0.7402, 1.7266,

314.6546, 272.8272

0.1875

315.4715,
373.5189, 328.1429

■ 0.0000, 0.4408,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.0334, 64.0310,
46.8207

■ 49.0334, 64.0310,
46.8207

■ 43.0178, 61.1389,
37.1767

■ 56.1798, 67.4735,
58.1550

■ 38.0702, 58.7612,
29.1380

■ 64.5054, 71.4843,
71.2506

■ 34.1297, 56.8700,
22.6188

■ 74.0620, 76.0904,
86.1795

■ 31.1267, 55.4316,
17.5234

■ 84.8969, 81.3147,
103.0087

■ 28.9834, 54.4080,
13.7457

■ 85.9469, 81.7938,
105.8656

■ 27.6087, 53.7551,
11.1641

■ 26.8885, 53.4169,
9.6350

■ 26.7427, 53.3481,
9.3373

Harmonies

Analogous

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



54.6355, 64.0310, 36.4378



49.0334, 64.0310, 46.8207



46.6164, 64.0310, 65.4639

Triad

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



49.0334, 64.0310, 46.8207



59.3551, 64.0310, 124.3069



76.1977, 64.0310, 52.8319

Complementary

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



49.0334, 64.0310, 46.8207



56.9364, 47.5669, 73.8933

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.



77.7432, 64.0310, 74.1544



49.0334, 64.0310, 46.8207



67.5392, 64.0310, 118.8243

Square

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



49.0334, 64.0310, 46.8207



52.2266, 64.0310, 112.7325



74.4490, 64.0310, 99.0787



70.3950, 64.0310, 39.3301

Rectangle

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



49.0334, 64.0310, 46.8207



46.9668, 64.0310, 81.4465



74.4490, 64.0310, 99.0787



77.2527, 64.0310, 59.1748

Sweetspot

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



49.0351, 64.0337, 46.8221



85.0236, 95.1680, 93.2146



62.8744, 71.2106, 45.5537



17.8207, 20.1878, 19.3587



0.0000, 0.0000, 0.0000



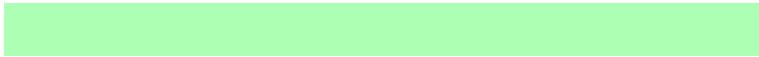
20.3446, 21.4041, 23.3091

Same Dimension

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



49.0351, 64.0337, 46.8221



61.2028, 83.6981, 55.4931



52.1604, 65.2838, 63.2799



13.5657, 15.3520, 14.7480



15.5803, 31.0570, 5.5127



1.0931, 2.1580, 0.4517

Inverse Universe

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



56.9364, 47.5669, 73.8933



73.4466, 58.1753, 97.4384



53.3122, 46.1172, 54.8084



14.2535, 13.9190, 17.1051



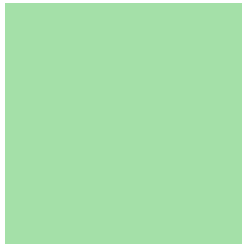
24.6138, 11.9125, 36.2274



1.7181, 0.8305, 2.5746

Previews

White Background



This preview shows how the XYZ color 49.0334, 64.0310, 46.8207 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 49.0334, 64.0310, 46.8207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

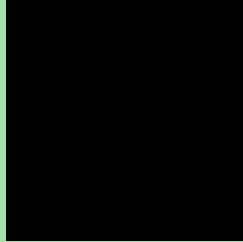
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.0334, 64.0310, 46.8207

Background



This preview shows how black text looks on a background with the XYZ color 49.0334, 64.0310, 46.8207.



This preview shows how white text looks on a background with the XYZ color 49.0334, 64.0310,

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

49.0334, 64.0310, 46.8207

Protanopia

59.4203, 63.3729, 42.8186

Deuteranopia

64.7051, 63.4912, 48.3799



Tritanopia

56.9129, 63.7142, 86.3892

Trichromacy



Original Color

49.0334, 64.0310, 46.8207



Protanomaly

55.1045, 63.3300, 44.4416



Deuteranomaly

57.5917, 62.6873, 47.5925



Tritanomaly

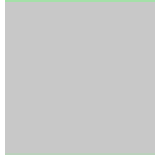
53.5933, 63.5169, 69.7569

Monochromacy



Original Color

49.0334, 64.0310, 46.8207



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

52.3711, 59.7966, 56.3586

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0334, 64.0310, 46.8207 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, 224, 168)` looks like.

```
.text, #text, p{  
    color:rgb(164, 224, 168)  
}
```

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, 224, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 224, 168) }
```

Border

The CSS property to change the border of an element to XYZ 49.0334, 64.0310, 46.8207 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, 224, 168) }
```


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

```
.border{ border-color:rgb(164, 224, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 224, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 224, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 224, 168); box-shadow:4px 4px 4px 4px rgb(164, 224, 168) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0334, 64.0310, 46.8207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 224, 168) }
```

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

```
.background{ background-color: rgb(164,  
224, 168) }
```

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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