

Converting Colors

XYZ(49.1021, 65.6346, 47.0268)

Have a look what the booklet for
XYZ(49.1021, 65.6346, 47.0268)
contains.

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Color

**XYZ(49.1094, 65.6849,
47.1359)**

Conversions

Conversions Part 1

Format	Color
Hex	9FE4A8
RGB	159, 228, 168
RGB Percent	62%, 89%, 66%
CMY	0.3765, 0.1059, 0.3412
CMYK	0.30, 0.00, 0.26, 0.11
HSL	128°, 56%, 76%
HSV	128°, 30%, 89%
XYZ	49.1094, 65.6849, 47.1359
YIQ	200.5290, -21.8640, -33.2880

Conversions

Conversions Part 2

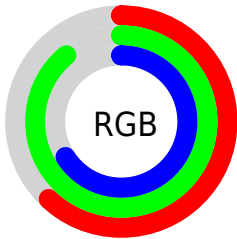
Format	Color
RYB	159, 220, 228
Decimal	10478760
CIELab	84.84, -33.42, 22.56
CIElCh	85, 40.320, 145.980
Yxy	65.6849, 0.3033, 0.4056
Android (android.graphics.Color)	4288668840 (0xFF9FE4A8)
YUV	200.5290, -16.0368, -36.4209
Hunter-Lab	81.0462, -33.6700, 22.2497

Details

The XYZ color **49.1094, 65.6849, 47.1359** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **57.1815, 46.4062, 72.9641**, and the grayscale version is **55.3330, 58.2147, 63.3958**.

A 20% lighter version of the original color is **77.1036, 91.2948, 83.3699**, and **23.7306, 33.7693, 21.7904** is the 20% darker color. If you saturate the color by 10%, you get **43.2899, 62.8841, 37.9462**, and if you desaturate by 10%, it is **56.0480, 69.0338, 57.8509**.

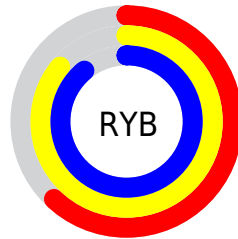
Distribution



Red (62%)

Green (89%)

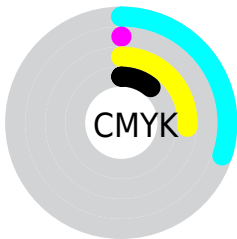
Blue (66%)



Red (62%)

Yellow (86%)

Blue (89%)

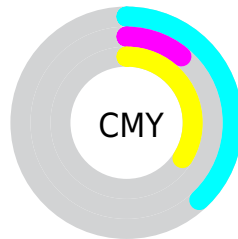


Cyan (30%)

Magenta (0%)

Yellow (26%)

Black (11%)



Cyan (38%)


Magenta (11%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1094, 65.6849, 47.1359 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 49.1094, 65.6849, 47.1359 by changing the saturation by 10% instead.


 49.1094, 65.6849,
47.1359


 49.1094, 65.6849,
47.1359


373.6827,
445.2491, 391.7662

 34.9212, 48.0167,
32.7880


 88.0537, 113.0340,
87.2685

 23.7684, 33.8401,
21.6943


 113.5404,
143.4836, 113.8904

 15.2857, 22.7708,
13.4363


143.5240,
178.9624, 145.4406

 9.1078, 14.4243,
7.5954

178.3698,
219.8549, 182.3377

 4.8692, 8.4164,
3.7531

218.4433,
266.5454, 225.0003

 2.2047, 4.3625,
1.4909

264.1097,

 0.7452, 1.8783,

319.4184, 273.8468

0.2111

315.7343,
378.8581, 329.2960

0.0000, 0.5353,
0.0000

0.0000, 0.0000,
0.0000

49.1094, 65.6849,
47.1359

49.1094, 65.6849,
47.1359

43.2899, 62.8841,
37.9462

56.0480, 69.0338,
57.8509

38.5257, 60.5944,
30.2082

64.1547, 72.9491,
70.1514

34.7544, 58.7871,
23.8490

73.4821, 77.4585,
84.0999

31.9051, 57.4273,
18.7875

84.0780, 82.5854,
99.7541

■ 29.8970, 56.4753,
14.9342

■ 87.0347, 83.9693,
106.2282

■ 28.6352, 55.8843,
12.1881

■ 27.9757, 55.5818,
10.4649

Harmonies

Analogous

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



55.1254, 65.6849, 35.4656



49.1094, 65.6849, 47.1359



46.6538, 65.6849, 68.0878

Triad

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



49.1094, 65.6849, 47.1359



61.2214, 65.6849, 133.5268



79.3893, 65.6849, 51.8613

Complementary

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



49.1094, 65.6849, 47.1359



57.1815, 46.4062, 72.9641

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.



81.4170, 65.6849, 75.0650



49.1094, 65.6849, 47.1359



70.3562, 65.6849, 126.2254

Square

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



49.1094, 65.6849, 47.1359



53.2064, 65.6849, 121.1992



77.9682, 65.6849, 103.1281



72.6657, 65.6849, 37.6962

Rectangle

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



49.1094, 65.6849, 47.1359



47.1735, 65.6849, 86.1122



77.9682, 65.6849, 103.1281



80.6689, 65.6849, 58.6765

Sweetspot

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



49.1111, 65.6877, 47.1374



84.0566, 94.6848, 92.4760



63.5042, 73.2011, 43.5838



17.6375, 20.0953, 19.2608



0.0000, 0.0000, 0.0000



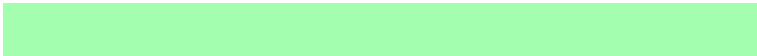
20.3446, 21.4041, 23.3091

Same Dimension

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



49.1111, 65.6877, 47.1374



58.6602, 82.4297, 53.4660



52.6509, 67.1036, 65.7776



14.2655, 16.1196, 15.6627



16.1776, 32.1031, 6.1694



1.2203, 2.3822, 0.5865

Inverse Universe

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



57.1815, 46.4062, 72.9641



70.5543, 53.9981, 91.5186



53.1996, 44.8135, 51.9958



14.9100, 14.5812, 17.7262



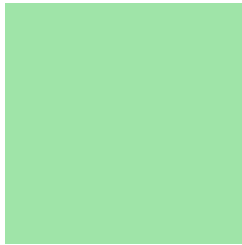
24.4097, 11.8981, 32.1160



1.8264, 0.8883, 2.4925

Previews

White Background



This preview shows how the XYZ color 49.1094, 65.6849, 47.1359 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 49.1094, 65.6849, 47.1359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

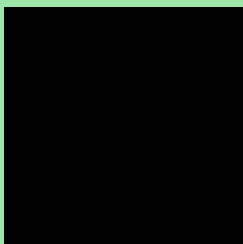
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

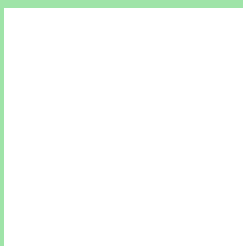
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.1094, 65.6849, 47.1359

Background



This preview shows how black text looks on a background with the XYZ color 49.1094, 65.6849, 47.1359.



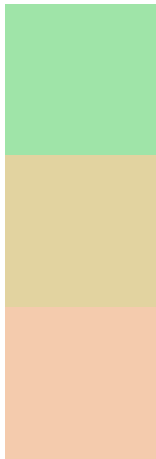
This preview shows how white text looks on a background with the XYZ color 49.1094, 65.6849,

47.1359.

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

49.1094, 65.6849, 47.1359

Protanopia

61.0035, 65.2953, 42.6457

Deuteranopia

66.2070, 64.9621, 48.5846



Tritanopia

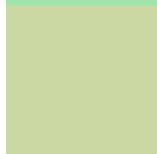
57.6308, 65.5481, 89.7353

Trichromacy



Original Color

49.1094, 65.6849, 47.1359



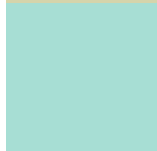
Protanomaly

55.7808, 64.8266, 44.2232



Deuteranomaly

58.3347, 64.1734, 47.8402



Tritanomaly

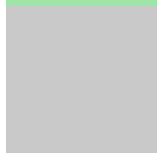
53.9413, 65.2115, 72.0314

Monochromacy



Original Color

49.1094, 65.6849, 47.1359



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

52.7293, 60.7018, 57.0816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1094, 65.6849, 47.1359 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(159, 228, 168)` looks like.

```
.text, #text, p{  
    color:rgb(159, 228, 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(159, 228, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 228, 168) }
```

Border

The CSS property to change the border of an element to XYZ 49.1094, 65.6849, 47.1359 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(159, 228, 168) }
```


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

```
.border{ border-color:rgb(159, 228, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 228, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 228, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 228, 168); box-shadow:4px 4px 4px 4px rgb(159, 228, 168) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1094, 65.6849, 47.1359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 228, 168) }
```

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

```
.background{ background-color: rgb(159,  
228, 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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