

Converting Colors

XYZ(48.1131, 64.8266, 43.4350)

Have a look what the booklet for
XYZ(48.1131, 64.8266, 43.4350)
contains.

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Color

**XYZ(48.1123, 64.8472,
43.2387)**

Conversions

Conversions Part 1

Format	Color
Hex	9FE3A0
RGB	159, 227, 160
RGB Percent	62%, 89%, 63%
CMY	0.3765, 0.1098, 0.3725
CMYK	0.30, 0.00, 0.30, 0.11
HSL	121°, 55%, 76%
HSV	121°, 30%, 89%
XYZ	48.1123, 64.8472, 43.2387
YIQ	199.0300, -19.0210, -35.2530

Conversions

Conversions Part 2

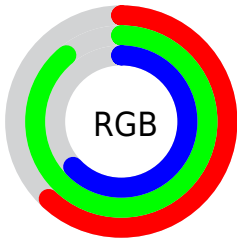
Format	Color
RYB	159, 226, 227
Decimal	10478496
CIELab	84.40, -34.30, 26.11
CIELCh	84, 43.103, 142.723
Yxy	64.8472, 0.3080, 0.4152
Android (android.graphics.Color)	4288668576 (0xFF9FE3A0)
YUV	199.0300, -19.2418, -35.1063
Hunter-Lab	80.5278, -34.2766, 24.5342

Details

The XYZ color **48.1123, 64.8472, 43.2387** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **57.8063, 46.6194, 77.9057**, and the grayscale version is **54.4282, 57.2627, 62.3591**.

A 20% lighter version of the original color is **76.0501, 90.8734, 77.8220**, and **23.0954, 33.2118, 19.3806** is the 20% darker color. If you saturate the color by 10%, you get **42.2337, 62.0247, 33.6528**, and if you desaturate by 10%, it is **55.1729, 68.2422, 54.7200**.

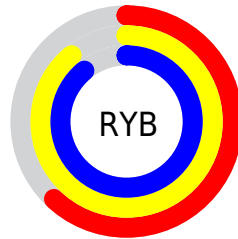
Distribution



Red (62%)

Green (89%)

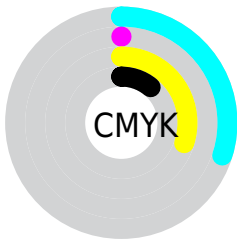
Blue (63%)



Red (62%)

Yellow (89%)

Blue (89%)

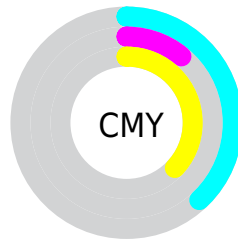


Cyan (30%)

Magenta (0%)

Yellow (30%)

Black (11%)



Cyan (38%)


Magenta (11%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1123, 64.8472, 43.2387 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 48.1123, 64.8472, 43.2387 by changing the saturation by 10% instead.


 48.1123, 64.8472,
43.2387


 48.1123, 64.8472,
43.2387


369.8123,
442.2427, 375.5425

 34.1274, 47.3372,
29.7397


 86.5803, 111.8302,
81.3612

 23.1549, 33.3023,
19.3907

 111.7941,
142.0719, 106.8217

 14.8292, 22.3581,
11.7733


141.4816,
177.3263, 137.1064

 8.7852, 14.1203,
6.4688

176.0082,
217.9778, 172.6339

 4.6573, 8.2044,
3.0588

215.7392,
264.4108, 213.8227

 2.0803, 4.2260,
1.1248

261.0400,

 0.6785, 1.8008,

317.0097, 261.0914

0.0000

312.2759,
376.1588, 314.8585

0.0000, 0.4877,
0.0000

0.0000, 0.0000,
0.0000

48.1123, 64.8472,
43.2387

48.1123, 64.8472,
43.2387

42.2337, 62.0247,
33.6528

55.1729, 68.2422,
54.7200

37.4679, 59.7354,
25.8565

63.4699, 72.2300,
68.1863

33.7464, 57.9484,
19.7401

73.0603, 76.8399,
83.7269

30.9907, 56.6259,
15.1802

83.9959, 82.0971,
101.4242

■ 29.1117, 55.7249,
12.0365

■ 86.7604, 83.4208,
106.1368

■ 28.0034, 55.1943,
10.1435

■ 27.4905, 54.9490,
9.2561

■ 27.4887, 54.9481,
9.2532

Harmonies

Analogous

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



54.7920, 64.8472, 32.2770



48.1123, 64.8472, 43.2387



45.1132, 64.8472, 64.1352

Triad

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



48.1123, 64.8472, 43.2387



59.3318, 64.8472, 136.9090



80.2300, 64.8472, 52.1317

Complementary

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



48.1123, 64.8472, 43.2387



57.8063, 46.6194, 77.9057

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.



81.7668, 64.8472, 77.5014



48.1123, 64.8472, 43.2387



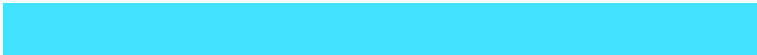
69.0259, 64.8472, 131.2833

Square

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



48.1123, 64.8472, 43.2387



51.1407, 64.8472, 121.4382



77.4809, 64.8472, 107.6111



73.4756, 64.8472, 36.4062

Rectangle

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



48.1123, 64.8472, 43.2387



45.3604, 64.8472, 82.8714



77.4809, 64.8472, 107.6111



81.4006, 64.8472, 59.6176

Sweetspot

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



48.1140, 64.8499, 43.2401



83.6756, 94.5324, 90.4696



65.4085, 73.7757, 43.5940



17.5446, 20.0582, 18.7716



0.0000, 0.0000, 0.0000



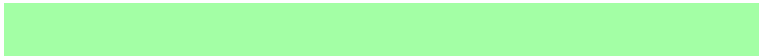
20.3446, 21.4041, 23.3091

Same Dimension

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



48.1140, 64.8499, 43.2401



57.6560, 82.0280, 48.1780



51.3946, 66.1622, 60.5155



14.1979, 16.0926, 15.3070



16.0345, 32.0459, 5.4159



1.1879, 2.3693, 0.4163

Inverse Universe

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



57.8063, 46.6194, 77.9057



72.2058, 54.6587, 100.2153



53.7043, 44.9786, 56.3049



14.9855, 14.6114, 18.1240



26.2988, 12.6537, 42.0639



1.9464, 0.9363, 3.1240

Previews

White Background



This preview shows how the XYZ color 48.1123, 64.8472, 43.2387 looks on a white background.

Color Contrast Check

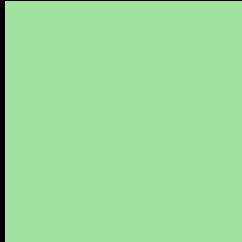
Large Text (above 18pt) WCAG AA × Fail

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 48.1123, 64.8472, 43.2387 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 48.1123, 64.8472, 43.2387

Background



This preview shows how black text looks on a background with the XYZ color 48.1123, 64.8472, 43.2387.

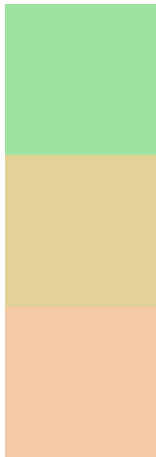


This preview shows how white text looks on a background with the XYZ color 48.1123, 64.8472,

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

48.1123, 64.8472, 43.2387

Protanopia

60.0781, 64.5289, 38.9946

Deuteranopia

65.4258, 63.9389, 44.9695



Tritanopia

57.0418, 64.5081, 88.0421

Trichromacy



Original Color

48.1123, 64.8472, 43.2387



Protanomaly

54.8294, 64.0348, 40.4805



Deuteranomaly

57.4790, 63.0697, 44.2662



Tritanomaly

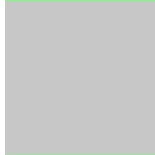
53.3901, 64.5918, 69.3280

Monochromacy



Original Color

48.1123, 64.8472, 43.2387



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

51.3246, 59.2941, 54.6387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1123, 64.8472, 43.2387 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, 227, 160)` looks like.

```
.text, #text, p{  
    color:rgb(159, 227, 160)  
}
```

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, 227, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 227, 160) }
```

Border

The CSS property to change the border of an element to XYZ 48.1123, 64.8472, 43.2387 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, 227, 160) }
```


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

```
.border{ border-color:rgb(159, 227, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 227, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 227, 160); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 227, 160); box-shadow:4px 4px 4px 4px rgb(159, 227, 160) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1123, 64.8472, 43.2387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 227, 160) }
```

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

```
.background{ background-color: rgb(159,  
227, 160) }
```

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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