

Converting Colors

XYZ(46.9199, 64.1928, 44.9739)

Have a look what the booklet for
XYZ(46.9199, 64.1928, 44.9739)
contains.

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Color

**XYZ(46.9324, 64.1978,
45.0398)**

Conversions

Conversions Part 1

Format	Color
Hex	97E3A4
RGB	151, 227, 164
RGB Percent	59%, 89%, 64%
CMY	0.4078, 0.1098, 0.3569
CMYK	0.33, 0.00, 0.28, 0.11
HSL	130°, 58%, 74%
HSV	130°, 33%, 89%
XYZ	46.9324, 64.1978, 45.0398
YIQ	197.0940, -25.0730, -35.7050

Conversions

Conversions Part 2

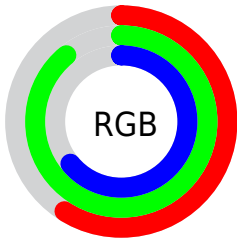
Format	Color
RYB	151, 216, 227
Decimal	9954212
CIELab	84.07, -36.13, 23.51
CIELCh	84, 43.109, 146.946
Yxy	64.1978, 0.3005, 0.4111
Android (android.graphics.Color)	4288144292 (0xFF97E3A4)
YUV	197.0940, -16.3153, -40.4244
Hunter-Lab	80.1235, -35.6597, 22.7578

Details

The XYZ color **46.9324, 64.1978, 45.0398** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **54.8848, 43.3205, 69.0897**, and the grayscale version is **53.2353, 56.0077, 60.9924**.

A 20% lighter version of the original color is **74.2783, 89.8999, 80.4554**, and **22.4173, 32.8371, 20.4859** is the 20% darker color. If you saturate the color by 10%, you get **41.5428, 61.6032, 36.5639**, and if you desaturate by 10%, it is **53.3879, 67.3165, 54.8809**.

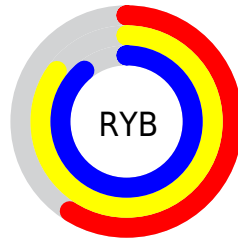
Distribution



Red (59%)

Green (89%)

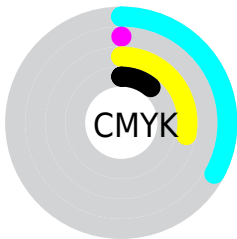
Blue (64%)



Red (59%)

Yellow (85%)

Blue (89%)

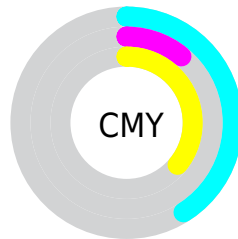


Cyan (33%)

Magenta (0%)

Yellow (28%)

Black (11%)



Cyan (41%)


Magenta (11%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9324, 64.1978, 45.0398 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 46.9324, 64.1978, 45.0398 by changing the saturation by 10% instead.


 46.9324, 64.1978,
45.0398


 46.9324, 64.1978,
45.0398


365.1981,
439.9036, 383.0996

 33.1899, 46.8109,
31.1456


 84.8321, 110.8958,
84.0992

 22.4319, 32.8862,
20.4503


 109.7200,
140.9756, 110.1015

 14.2930, 22.0393,
12.5355


139.0538,
176.0552, 140.9769

 8.4078, 13.8858,
6.9825

173.1988,
216.5190, 177.1440

 4.4110, 8.0413,
3.3729

212.5203,
262.7513, 219.0212

 1.9372, 4.1214,
1.2880

257.3838,

 0.5983, 1.7417,

315.1366, 267.0272

0.0520

308.1546,
374.0592, 321.5805

0.0000, 0.4504,
0.0000

0.0000, 0.0000,
0.0000

46.9324, 64.1978,
45.0398

46.9324, 64.1978,
45.0398

41.5428, 61.6032,
36.5639

53.3879, 67.3165,
54.8809

37.1564, 59.4963,
29.3888

60.9577, 70.9775,
66.1392

33.7117, 57.8483,
23.4512

69.6931, 75.2080,
78.8694

31.1378, 56.6243,
18.6809

79.6409, 80.0311,
93.1219

■ 29.3541, 55.7844,
15.0007

■ 86.7603, 83.4207,
106.1368

■ 28.2638, 55.2804,
12.3238

■ 27.8337, 55.0860,
11.0705

Harmonies

Analogous

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



53.0973, 64.1978, 32.8237



46.9324, 64.1978, 45.0398



44.5114, 64.1978, 67.1460

Triad

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



46.9324, 64.1978, 45.0398



60.0486, 64.1978, 136.3630



78.8233, 64.1978, 48.7439

Complementary

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



46.9324, 64.1978, 45.0398



54.8848, 43.3205, 69.0897

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.



81.1714, 64.1978, 72.7293



46.9324, 64.1978, 45.0398



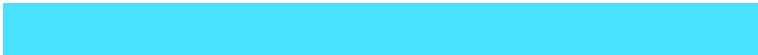
69.6898, 64.1978, 127.7844

Square

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



46.9324, 64.1978, 45.0398



51.5734, 64.1978, 123.6562



77.6729, 64.1978, 102.5506



71.5507, 64.1978, 34.5391

Rectangle

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



46.9324, 64.1978, 45.0398



45.1370, 64.1978, 86.3118



77.6729, 64.1978, 102.5506



80.2455, 64.1978, 55.7136

Sweetspot

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



46.9341, 64.2005, 45.0412



83.0643, 94.1930, 91.5411



60.8864, 71.5220, 39.8747



17.4457, 19.9997, 19.1054



0.0000, 0.0000, 0.0000



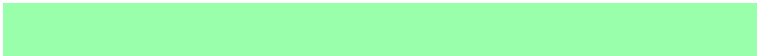
20.3446, 21.4041, 23.3091

Same Dimension

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



46.9341, 64.2005, 45.0412



56.1950, 81.2116, 50.9663



50.8547, 65.7687, 65.6868



14.2894, 16.1292, 15.7889



16.2613, 32.1366, 6.6103



1.2316, 2.3868, 0.6463

Inverse Universe

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



54.8848, 43.3205, 69.0897



67.9981, 50.1892, 86.6479



50.6165, 41.6131, 46.6130



14.8837, 14.5707, 17.5880



23.8177, 11.6613, 28.9985



1.7881, 0.8730, 2.2907

Previews

White Background



This preview shows how the XYZ color 46.9324, 64.1978, 45.0398 looks on a white background.

Color Contrast Check

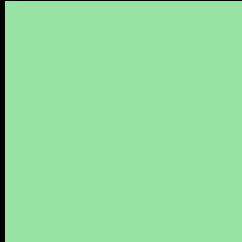
Large Text (above 18pt) WCAG AA × Fail

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 46.9324, 64.1978, 45.0398 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

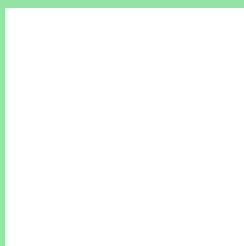
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.9324, 64.1978, 45.0398

Background



This preview shows how black text looks on a background with the XYZ color 46.9324, 64.1978, 45.0398.



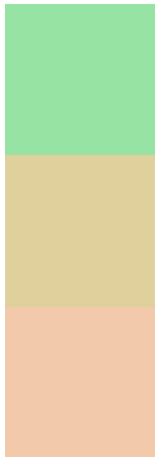
This preview shows how white text looks on a background with the XYZ color 46.9324, 64.1978,

45.0398.

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
46.9324, 64.1978, 45.0398
Protanopia
59.2971, 63.3593, 40.5568
Deuteranopia
64.7603, 63.5528, 46.8839



Tritanopia

55.5838, 64.1403, 88.0480

Trichromacy



Original Color

46.9324, 64.1978, 45.0398



Protanomaly

53.5844, 62.9744, 42.1320



Deuteranomaly

56.4090, 62.4756, 46.1317



Tritanomaly

51.8623, 63.7899, 69.9009

Monochromacy



Original Color

46.9324, 64.1978, 45.0398



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

50.1352, 58.3178, 54.5130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9324, 64.1978, 45.0398 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(151, 227, 164)` looks like.

```
.text, #text, p{  
    color:rgb(151, 227, 164)  
}
```

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(151, 227, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 227, 164) }
```

Border

The CSS property to change the border of an element to XYZ 46.9324, 64.1978, 45.0398 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(151, 227, 164) }
```


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

```
.border{ border-color:rgb(151, 227, 164) }
```

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

Here you see how a box with a 4 pixel rgb(151, 227, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 227, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 227, 164);  
box-shadow:4px 4px 4px 4px rgb(151, 227,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9324, 64.1978, 45.0398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 227, 164) }
```

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

```
.background{ background-color: rgb(151,  
227, 164) }
```

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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