

Converting Colors

XYZ(47.0129, 64.2392, 60.9225)

Have a look what the booklet for
XYZ(47.0129, 64.2392, 60.9225)
contains.

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Color

**XYZ(46.9967, 64.2874,
60.9707)**

Conversions

Conversions Part 1

Format	Color
Hex	84E4C2
RGB	132, 228, 194
RGB Percent	52%, 89%, 76%
CMY	0.4823, 0.1059, 0.2392
CMYK	0.42, 0.00, 0.15, 0.11
HSL	159°, 64%, 71%
HSV	159°, 42%, 89%
XYZ	46.9967, 64.2874, 60.9707
YIQ	195.4200, -46.3020, -30.9260

Conversions

Conversions Part 2

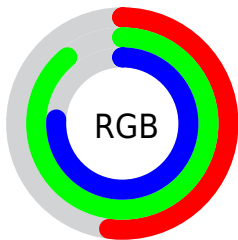
Format	Color
RYB	132, 190, 228
Decimal	8709314
CIELab	84.12, -36.15, 7.76
CIELCh	84, 36.977, 167.879
Yxy	64.2874, 0.2728, 0.3732
Android (android.graphics.Color)	4286899394 (0xFF84E4C2)
YUV	195.4200, -0.7001, -55.6193
Hunter-Lab	80.1794, -35.6873, 11.0398

Details

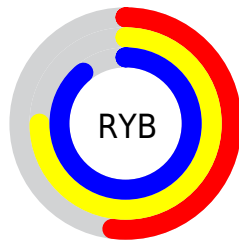
The XYZ color **46.9967, 64.2874, 60.9707** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.1312, 35.7512, 40.4953**, and the grayscale version is **52.1476, 54.8633, 59.7461**.

A 20% lighter version of the original color is **74.0016, 89.2409, 103.7674**, and **22.4666, 32.9350, 29.9839** is the 20% darker color. If you saturate the color by 10%, you get **42.9312, 62.2952, 56.1748**, and if you desaturate by 10%, it is **51.8942, 66.7061, 66.0657**.

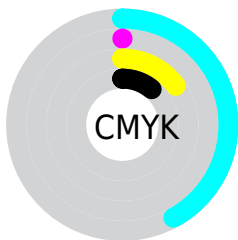
Distribution



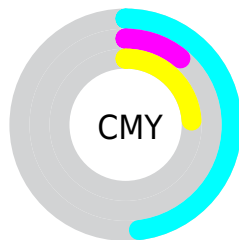
- Red (52%)
- Green (89%)
- Blue (76%)



- Red (52%)
- Yellow (75%)
- Blue (89%)



- Cyan (42%)
- Magenta (0%)
- Yellow (15%)
- Black (11%)





- Cyan (48%)
- Magenta (11%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9967, 64.2874, 60.9707 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 46.9967, 64.2874, 60.9707 by changing the saturation by 10% instead.


 46.9967, 64.2874,
60.9707


 46.9967, 64.2874,
60.9707


365.4505,
440.2268, 446.0701


 33.2410, 46.8835,
43.7711


 84.9275, 111.0247,
107.7936

 22.4712, 32.9436,
30.1547


 109.8332,
141.1270, 138.2541

 14.3221, 22.0832,
19.7030

 139.1864,
176.2307, 173.9718

 8.4282, 13.9181,
11.9974

173.3523,
216.7204, 215.3655

 4.4243, 8.0637,
6.6194

212.6963,
262.9805, 262.8537

 1.9448, 4.1357,
3.1504

257.5838,

 0.6027, 1.7498,

315.3953, 316.8548

1.1719

308.3800,
374.3493, 377.7874

■ 0.0000, 0.4556,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.9967, 64.2874,
60.9707

■ 46.9967, 64.2874,
60.9707

■ 42.9312, 62.2952,
56.1748

■ 51.8942, 66.7061,
66.0657

■ 39.6403, 60.6951,
51.6670


■ 57.6657, 69.5680,
71.4614


■ 37.0675, 59.4596,
47.4420


■ 64.3568, 72.8981,
77.1654


■ 35.1460, 58.5544,
43.4924

■ 72.0082, 76.7173,
83.1832


 33.7955, 57.9383,
39.8100

 80.6581, 81.0452,
89.5203

 33.0306, 57.6035,
37.0839

 85.0801, 83.1873,
95.9359

 86.3233, 83.6846,
102.4825

 87.0346, 83.9691,
106.2282

Harmonies

Analogous

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



50.1774, 64.2874, 43.9541



46.9967, 64.2874, 60.9707



47.3403, 64.2874, 84.7368

Triad

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



46.9967, 64.2874, 60.9707



66.0535, 64.2874, 122.1319



72.2552, 64.2874, 41.6524

Complementary

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



46.9967, 64.2874, 60.9707



47.1312, 35.7512, 40.4953

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.



77.3043, 64.2874, 57.0758



46.9967, 64.2874, 60.9707



73.5100, 64.2874, 104.7119

Square

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



46.9967, 64.2874, 60.9707



57.8640, 64.2874, 123.8347



77.7830, 64.2874, 79.8752



64.4612, 64.2874, 34.5848

Rectangle

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



46.9967, 64.2874, 60.9707



49.5249, 64.2874, 101.4106



77.7830, 64.2874, 79.8752



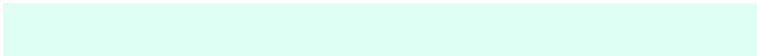
74.3587, 64.2874, 45.8513

Sweetspot

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



46.9985, 64.2900, 60.9722



82.0551, 93.5126, 98.7240



47.8889, 65.3928, 31.9287



17.1364, 19.8030, 20.7760



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.



46.9985, 64.2900, 60.9722



55.7111, 80.4766, 72.8788



47.8727, 59.2122, 82.3078



14.5793, 16.2452, 17.3156



19.1306, 33.2843, 21.7199



1.4575, 2.4771, 1.8355

Inverse Universe

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



47.1312, 35.7512, 40.4953



55.9191, 38.8553, 43.0865



46.2565, 38.3512, 26.7952



14.5868, 14.4519, 16.0244



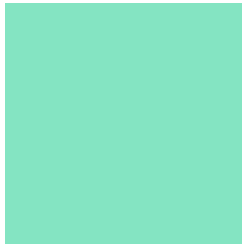
19.3785, 9.8856, 5.6220



1.4749, 0.7477, 0.6416

Previews

White Background



This preview shows how the XYZ color 46.9967, 64.2874, 60.9707 looks on a white background.

Color Contrast Check

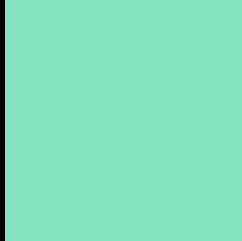
Large Text (above 18pt) WCAG AA × Fail

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 46.9967, 64.2874, 60.9707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

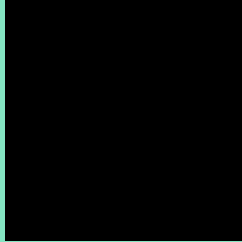
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.9967, 64.2874, 60.9707

Background



This preview shows how black text looks on a background with the XYZ color 46.9967, 64.2874, 60.9707.

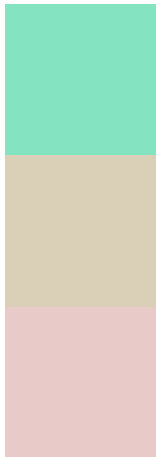


This preview shows how white text looks on a background with the XYZ color 46.9967, 64.2874, 60.9707.

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

46.9967, 64.2874, 60.9707

Protanopia

60.1210, 63.4779, 54.4311

Deuteranopia

64.8246, 63.5670, 63.4966



Tritanopia

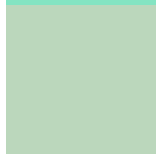
53.2029, 64.4038, 91.2885

Trichromacy



Original Color

46.9967, 64.2874, 60.9707



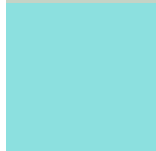
Protanomaly

53.8711, 62.7965, 56.8586



Deuteranomaly

56.2523, 62.4015, 62.5060



Tritanomaly

50.7902, 64.2145, 79.5297

Monochromacy



Original Color

46.9967, 64.2874, 60.9707



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

49.1764, 57.3364, 60.1049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9967, 64.2874, 60.9707 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(132, 228, 194)` looks like.

```
.text, #text, p{  
    color:rgb(132, 228, 194)  
}
```

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(132, 228, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 228, 194) }
```

Border

The CSS property to change the border of an element to XYZ 46.9967, 64.2874, 60.9707 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(132, 228, 194) }
```


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

```
.border{ border-color:rgb(132, 228, 194) }
```

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

Here you see how a box with a 4 pixel rgb(132, 228, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 228, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 228, 194);  
box-shadow:4px 4px 4px 4px rgb(132, 228,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9967, 64.2874, 60.9707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 228, 194) }
```

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

```
.background{ background-color: rgb(132,  
228, 194) }
```

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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