

Converting Colors

XYZ(47.1938, 64.3345, 63.2831)

Have a look what the booklet for
XYZ(47.1938, 64.3345, 63.2831)
contains.

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Color

**XYZ(47.1424, 64.3098,
63.3545)**

Conversions

Conversions Part 1

Format	Color
Hex	82E4C6
RGB	130, 228, 198
RGB Percent	51%, 89%, 78%
CMY	0.4902, 0.1059, 0.2235
CMYK	0.43, 0.00, 0.13, 0.11
HSL	162°, 64%, 70%
HSV	162°, 43%, 89%
XYZ	47.1424, 64.3098, 63.3545
YIQ	195.2780, -48.7780, -30.1060

Conversions

Conversions Part 2

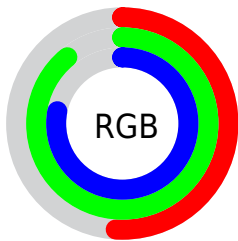
Format	Color
RYB	130, 188, 228
Decimal	8578246
CIELab	84.13, -35.79, 5.66
CIELCh	84, 36.240, 171.009
Yxy	64.3098, 0.2697, 0.3679
Android (android.graphics.Color)	4286768326 (0xFF82E4C6)
YUV	195.2780, 1.3419, -57.2488
Hunter-Lab	80.1934, -35.4056, 9.2950

Details

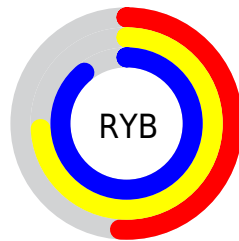
The XYZ color **47.1424, 64.3098, 63.3545** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **46.3249, 34.9991, 37.5742**, and the grayscale version is **52.0521, 54.7629, 59.6368**.

A 20% lighter version of the original color is **74.3035, 89.3048, 107.9291**, and **22.5342, 32.9351, 31.5550** is the 20% darker color. If you saturate the color by 10%, you get **43.2387, 62.3899, 59.0663**, and if you desaturate by 10%, it is **51.8616, 66.6491, 67.8774**.

Distribution



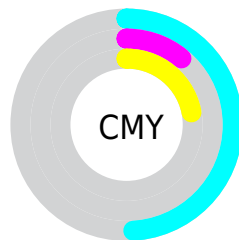
- Red (51%)
- Green (89%)
- Blue (78%)



- Red (51%)
- Yellow (74%)
- Blue (89%)



- Cyan (43%)
- Magenta (0%)
- Yellow (13%)
- Black (11%)





- Cyan (49%)
- Magenta (11%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1424, 64.3098, 63.3545 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 47.1424, 64.3098, 63.3545 by changing the saturation by 10% instead.


 47.1424, 64.3098,
63.3545

 47.1424, 64.3098,
63.3545


366.0221,
440.3075, 454.9982

 33.3567, 46.9016,
45.6852


 85.1436, 111.0570,
111.2713

 22.5604, 32.9579,
31.6506


 110.0898,
141.1648, 142.3559

 14.3881, 22.0942,
20.8322


 139.4868,
176.2746, 178.7493

 8.4746, 13.9261,
12.8113

173.7000,
216.7708, 220.8702

 4.4545, 8.0693,
7.1696

213.0948,
263.0378, 269.1369

 1.9623, 4.1393,
3.4883

258.0365,

 0.6127, 1.7518,

315.4600, 323.9682

1.3491

308.8905,
374.4218, 385.7824

■ 0.0000, 0.4569,
0.1015

■ 0.0000, 0.0000,
0.0000

■ 47.1424, 64.3098,
63.3545

■ 47.1424, 64.3098,
63.3545

■ 43.2387, 62.3899,
59.0663

■ 51.8616, 66.6491,
67.8774

■ 40.0929, 60.8549,
55.0033


■ 57.4385, 69.4246,
72.6353


■ 37.6482, 59.6771,
51.1616


■ 63.9186, 72.6612,
77.6342

■ 35.8371, 58.8218,
47.5354


■ 71.3426, 76.3801,
82.8784


 34.5781, 58.2471,
44.1182


 79.7487, 80.6007,
88.3722

 33.9335, 57.9646,
41.8389

 84.6953, 83.0333,
93.9100

 85.7519, 83.4559,
99.4739

 86.8488, 83.8947,
105.2502

 87.0345, 83.9690,
106.2282

Harmonies

Analogous

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



49.9207, 64.3098, 45.7795



47.1424, 64.3098, 63.3545



47.8476, 64.3098, 87.0521

Triad

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



47.1424, 64.3098, 63.3545



66.8128, 64.3098, 119.7836



71.3337, 64.3098, 41.0355

Complementary

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



47.1424, 64.3098, 63.3545



46.3249, 34.9991, 37.5742

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.



76.6550, 64.3098, 55.3725



47.1424, 64.3098, 63.3545



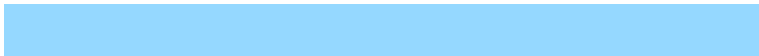
73.8905, 64.3098, 101.5951

Square

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



47.1424, 64.3098, 63.3545



58.7496, 64.3098, 123.2342



77.6294, 64.3098, 77.1426



63.5626, 64.3098, 34.8730

Rectangle

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



47.1424, 64.3098, 63.3545



50.2259, 64.3098, 103.1277



77.6294, 64.3098, 77.1426



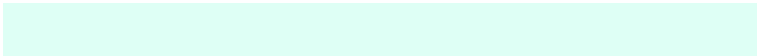
73.4956, 64.3098, 44.8890

Sweetspot

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



47.1442, 64.3124, 63.3560



82.2970, 93.6094, 99.9982



46.4794, 64.6817, 31.1554



17.1964, 19.8270, 21.0918



0.0000, 0.0000, 0.0000



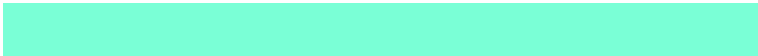
20.3446, 21.4041, 23.3091

Same Dimension

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



47.1442, 64.3124, 63.3560



56.0323, 80.5626, 76.4871



46.2664, 56.4593, 81.8609



14.6097, 16.2573, 17.4754



19.6489, 33.4917, 24.4492



1.4930, 2.4913, 2.0226

Inverse Universe

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



46.3249, 34.9991, 37.5742



54.8591, 37.9216, 39.0759



46.6109, 39.2769, 26.2448



14.5577, 14.4403, 15.8715



19.1562, 9.7967, 4.4515



1.4559, 0.7401, 0.5413

Previews

White Background



This preview shows how the XYZ color 47.1424, 64.3098, 63.3545 looks on a white background.

Color Contrast Check

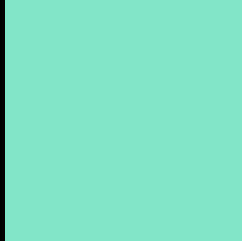
Large Text (above 18pt) WCAG AA × Fail

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 47.1424, 64.3098, 63.3545 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

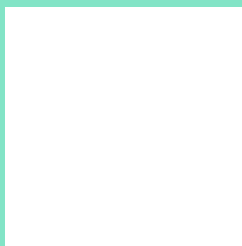
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.1424, 64.3098, 63.3545

Background



This preview shows how black text looks on a background with the XYZ color 47.1424, 64.3098, 63.3545.

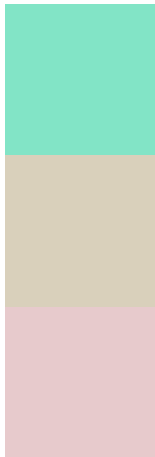


This preview shows how white text looks on a background with the XYZ color 47.1424, 64.3098, 63.3545.

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

47.1424, 64.3098, 63.3545

Protanopia

60.1408, 63.4513, 56.0913

Deuteranopia

64.9746, 63.5896, 65.9762



Tritanopia

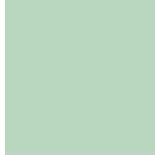
52.8340, 64.1965, 92.0446

Trichromacy



Original Color

47.1424, 64.3098, 63.3545



Protanomaly

53.7120, 62.6768, 58.5571



Deuteranomaly

56.2031, 62.3221, 64.9443



Tritanomaly

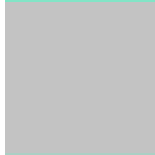
50.5628, 64.0659, 80.9352

Monochromacy



Original Color

47.1424, 64.3098, 63.3545



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

49.0712, 57.2691, 60.6923

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1424, 64.3098, 63.3545 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(130, 228, 198)` looks like.

```
.text, #text, p{  
    color:rgb(130, 228, 198)  
}
```

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(130, 228, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 228, 198) }
```

Border

The CSS property to change the border of an element to XYZ 47.1424, 64.3098, 63.3545 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(130, 228, 198) }
```


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

```
.border{ border-color:rgb(130, 228, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 228, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 228, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 228, 198);  
box-shadow:4px 4px 4px 4px rgb(130, 228,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1424, 64.3098, 63.3545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 228, 198) }
```

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

```
.background{ background-color: rgb(130,  
228, 198) }
```

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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