

Converting Colors

XYZ(47.1688, 62.5230, 63.9896)

Have a look what the booklet for
XYZ(47.1688, 62.5230, 63.9896)
contains.

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Color

**XYZ(47.3975, 62.7998,
64.2670)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 89E0C8 |
| RGB | 137, 224, 200 |
| RGB Percent | 54%, 88%, 78% |
| CMY | 0.4627, 0.1216, 0.2157 |
| CMYK | 0.39, 0.00, 0.11, 0.12 |
| HSL | 163°, 58%, 71% |
| HSV | 163°, 39%, 88% |
| XYZ | 47.3975, 62.7998, 64.2670 |
| YIQ | 195.2510, -44.1480, -25.9080 |

Conversions

Conversions Part 2

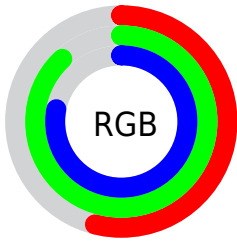
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 137, 187, 224 |
| Decimal | 9035976 |
| CIELab | 83.34, -31.68, 3.50 |
| CIELCh | 83, 31.870, 173.688 |
| Yxy | 62.7998, 0.2717, 0.3600 |
| Android (android.graphics.Color) | 4287226056 (0xFF89E0C8) |
| YUV | 195.2510, 2.3413, -51.0861 |
| Hunter-Lab | 79.2463, -31.9196, 7.3896 |

Details

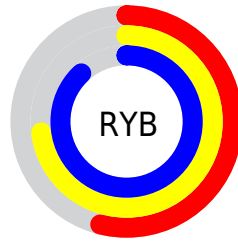
The XYZ color **47.3975, 62.7998, 64.2670** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **46.1213, 36.3135, 38.2990**, and the grayscale version is **52.0282, 54.7377, 59.6093**.

A 20% lighter version of the original color is **75.8023, 90.0775, 107.9992**, and **22.6706, 31.8744, 32.1516** is the 20% darker color. If you saturate the color by 10%, you get **43.3924, 60.8185, 60.3861**, and if you desaturate by 10%, it is **52.1976, 65.1908, 68.3402**.

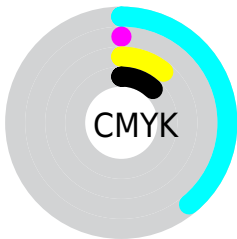
Distribution



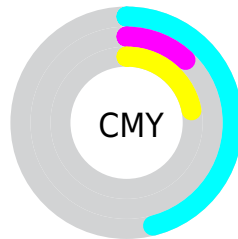
- Red (54%)
- Green (88%)
- Blue (78%)



- Red (54%)
- Yellow (73%)
- Blue (88%)



- Cyan (39%)
- Magenta (0%)
- Yellow (11%)
- Black (12%)





- Cyan (46%)
- Magenta (12%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.3975, 62.7998, 64.2670 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 47.3975, 62.7998, 64.2670 by changing the saturation by 10% instead.


 47.3975, 62.7998,
64.2670


 47.3975, 62.7998,
64.2670


367.0214,
434.8426, 458.3871


 33.5593, 45.6793,
46.4194


 85.5218, 108.8806,
112.5985

 22.7165, 31.9928,
32.2259


 110.5386,
138.6097, 143.9195

 14.5039, 21.3560,
21.2678


 140.0122,
173.3105, 180.5688

 8.5560, 13.3845,
13.1268

174.3082,
213.3672, 222.9648

 4.5075, 7.6938,
7.3841

213.7917,
259.1644, 271.5260

 1.9931, 3.8997,
3.6214

258.8282,

 0.6301, 1.6176,

311.0864, 326.6712

1.4200

309.7830,
369.5177, 388.8187

■ 0.0000, 0.3694,
0.1573

■ 0.0000, 0.0000,
0.0000

■ 47.3975, 62.7998,
64.2670

■ 47.3975, 62.7998,
64.2670

■ 43.3924, 60.8185,
60.3861

■ 52.1976, 65.1908,
68.3402

■ 40.1291, 59.2147,
56.6892

■ 57.8312, 68.0064,
72.6053

■ 37.5562, 57.9634,
53.1735

■ 64.3405, 71.2701,
77.0672

■ 35.6132, 57.0337,
49.8343

■ 71.7633, 75.0012,
81.7295

■ 34.2287, 56.3886,
46.6663

■ 80.1353, 79.2181,
86.5954

■ 33.2932, 55.9718,
43.6625

■ 83.1947, 80.6927,
91.3736

■ 33.1965, 55.9294,
43.3236

■ 84.1139, 81.0604,
96.2141

■ 85.0646, 81.4406,
101.2202

■ 85.9468, 81.7935,
105.8656

Harmonies

Analogous

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



49.5804, 62.7998, 48.1731



47.3975, 62.7998, 64.2670



48.2968, 62.7998, 84.8893

Triad

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



47.3975, 62.7998, 64.2670



65.2059, 62.7998, 109.6290



67.9352, 62.7998, 42.0008

Complementary

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



47.3975, 62.7998, 64.2670



46.1213, 36.3135, 38.2990

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.



72.7457, 62.7998, 54.1603



47.3975, 62.7998, 64.2670



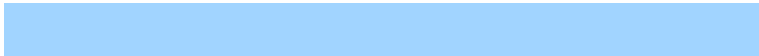
71.0866, 62.7998, 93.5653

Square

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



47.3975, 62.7998, 64.2670



58.2360, 62.7998, 113.7687



73.9413, 62.7998, 72.6613



61.1667, 62.7998, 37.0224

Rectangle

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



47.3975, 62.7998, 64.2670



50.5608, 62.7998, 98.2791



73.9413, 62.7998, 72.6613



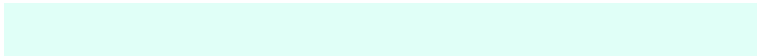
69.8554, 62.7998, 45.2554

Sweetspot

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



47.3993, 62.8023, 64.2684



83.3449, 94.1194, 101.4125



46.0023, 62.7649, 33.3582



17.5897, 20.0203, 21.5371



0.0000, 0.0000, 0.0000



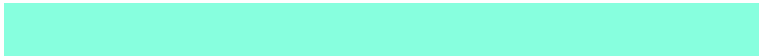
20.3446, 21.4041, 23.3091

Same Dimension

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



47.3993, 62.8023, 64.2684



58.9519, 81.9538, 81.7731



45.6402, 54.4369, 78.6258



13.9468, 15.5045, 16.7551



19.3729, 32.5740, 25.4846



1.3801, 2.2727, 1.9625

Inverse Universe

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



46.1213, 36.3135, 38.2990



57.0129, 41.4650, 42.1495



47.1211, 41.3818, 29.1719



13.8618, 13.7624, 15.0426



18.4380, 9.4422, 3.7061



1.3153, 0.6694, 0.4532

Previews

White Background



This preview shows how the XYZ color 47.3975, 62.7998, 64.2670 looks on a white background.

Color Contrast Check

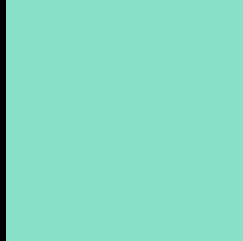
Large Text (above 18pt) WCAG AA × Fail

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 47.3975, 62.7998, 64.2670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

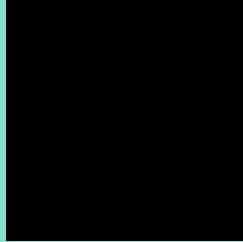
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.3975, 62.7998, 64.2670

Background



This preview shows how black text looks on a background with the XYZ color 47.3975, 62.7998, 64.2670.



This preview shows how white text looks on a background with the XYZ color 47.3975, 62.7998,

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

47.3975, 62.7998, 64.2670

Protanopia

59.0971, 62.1565, 57.5978

Deuteranopia

63.3523, 62.0472, 66.3949



Tritanopia

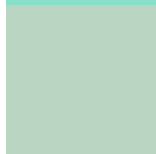
52.3259, 62.8302, 88.7264

Trichromacy



Original Color

47.3975, 62.7998, 64.2670



Protanomaly

53.7816, 61.9226, 60.1566



Deuteranomaly

55.8281, 61.3821, 65.4054



Tritanomaly

50.5034, 62.8803, 79.2873

Monochromacy



Original Color

47.3975, 62.7998, 64.2670



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

49.6049, 57.1725, 61.2443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3975, 62.7998, 64.2670 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(137, 224, 200)` looks like.

```
.text, #text, p{  
    color:rgb(137, 224, 200)  
}
```

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(137, 224, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 224, 200) }
```

Border

The CSS property to change the border of an element to XYZ 47.3975, 62.7998, 64.2670 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(137, 224, 200) }
```


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

```
.border{ border-color:rgb(137, 224, 200) }
```

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

Here you see how a box with a 4 pixel rgb(137, 224, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 224, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 224, 200);  
box-shadow:4px 4px 4px 4px rgb(137, 224,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3975, 62.7998, 64.2670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 224, 200) }
```

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

```
.background{ background-color: rgb(137,  
224, 200) }
```

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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