

Converting Colors

XYZ(47.0697, 57.7209, 70.6581)

Have a look what the booklet for
XYZ(47.0697, 57.7209, 70.6581)
contains.

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Color

**XYZ(47.2812, 57.9514,
70.9811)**

Conversions

Conversions Part 1

Format	Color
Hex	92D4D4
RGB	146, 212, 212
RGB Percent	57%, 83%, 83%
CMY	0.4274, 0.1686, 0.1686
CMYK	0.31, 0.00, 0.00, 0.17
HSL	180°, 43%, 70%
HSV	180°, 31%, 83%
XYZ	47.2812, 57.9514, 70.9811
YIQ	192.2660, -39.3360, -13.9920

Conversions

Conversions Part 2

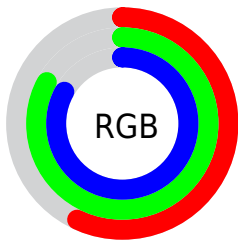
Format	Color
RYB	146, 179, 212
Decimal	9622740
CIELab	80.71, -20.69, -6.67
CIELCh	81, 21.736, 197.877
Yxy	57.9514, 0.2683, 0.3289
Android (android.graphics.Color)	4287812820 (0xFF92D4D4)
YUV	192.2660, 9.7289, -40.5753
Hunter-Lab	76.1258, -22.3551, -1.9950

Details

The XYZ color **47.2812, 57.9514, 70.9811** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.6206, 36.6318, 32.0207**, and the grayscale version is **50.2211, 52.8365, 57.5389**.

A 20% lighter version of the original color is **78.1671, 91.2966, 108.1099**, and **22.5564, 28.8236, 36.2729** is the 20% darker color. If you saturate the color by 10%, you get **43.8569, 56.1875, 70.8216**, and if you desaturate by 10%, it is **51.4078, 60.0802, 71.1760**.

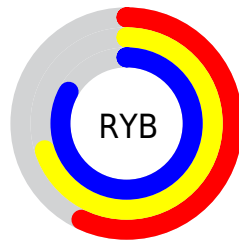
Distribution



Red (57%)

Green (83%)

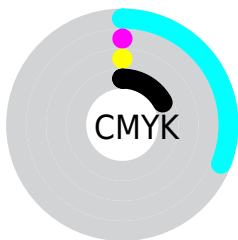
Blue (83%)



Red (57%)

Yellow (70%)

Blue (83%)

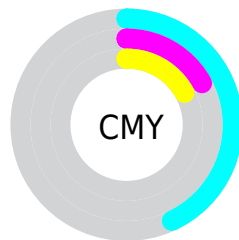


Cyan (31%)

Magenta (0%)

Yellow (0%)

Black (17%)



Cyan (43%)

Magenta (17%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2812, 57.9514, 70.9811 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 47.2812, 57.9514, 70.9811 by changing the saturation by 10% instead.

■ 47.2812, 57.9514,
70.9811

■ 47.2812, 57.9514,
70.9811

366.5660,
417.0048, 482.8692

■ 33.4669, 41.7696,
51.8450

■ 85.3494, 101.8521,
122.3010

■ 22.6453, 28.9209,
36.5002

■ 110.3340,
130.3397, 155.3219

■ 14.4511, 19.0210,
24.5280

139.7728,
163.6981, 193.8083

■ 8.5188, 11.6855,
15.5099

174.0310,
202.3116, 238.1785

■ 4.4833, 6.5299,
9.0275

213.4741,
246.5647, 288.8511

■ 1.9790, 3.1699,
4.6620

258.4674,

■ 0.6221, 1.2211,

296.8416, 346.2448

1.9951

309.3763,
353.5269, 410.7780

■ 0.0000, 0.0788,
0.5523

■ 0.0000, 0.0000,
0.0000

■ 47.2812, 57.9514,
70.9811

■ 47.2812, 57.9514,
70.9811

■ 43.8569, 56.1875,
70.8216

■ 51.4078, 60.0802,
71.1760

■ 41.0910, 54.7617,
70.6916

■ 56.2672, 62.5853,
71.4039

■ 38.9427, 53.6542,
70.5906

■ 61.8944, 65.4862,
71.6678

■ 37.3648, 52.8408,
70.5162

■ 68.3206, 68.7990,
71.9690

■ 36.3029, 52.2934,
70.4660

■ 75.5755, 72.5390,
72.3091

■ 35.6924, 51.9787,
70.4369

■ 76.6689, 73.1027,
72.3608

■ 35.4276, 51.8422,
70.4241

■ 76.6690, 73.1027,
72.3613

■ 76.6691, 73.1028,
72.3618

■ 76.6692, 73.1028,
72.3623

Harmonies

Analogous

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



47.0793, 57.9514, 58.0575



47.2812, 57.9514, 70.9811



49.5018, 57.9514, 83.2279

Triad

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



47.2812, 57.9514, 70.9811



61.7220, 57.9514, 81.1391



56.9105, 57.9514, 41.9179

Complementary

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



47.2812, 57.9514, 70.9811



42.6206, 36.6318, 32.0207

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.



61.0646, 57.9514, 46.5096



47.2812, 57.9514, 70.9811



63.9417, 57.9514, 68.4247

Square

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



47.2812, 57.9514, 70.9811



57.7685, 57.9514, 89.6175



63.6948, 57.9514, 55.8236



52.4783, 57.9514, 42.4079

Rectangle

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



47.2812, 57.9514, 70.9811



51.8996, 57.9514, 88.8297



63.6948, 57.9514, 55.8236



58.3900, 57.9514, 42.8895

Sweetspot

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



47.2829, 57.9537, 70.9824



87.1048, 95.9041, 108.5275



40.7841, 55.3769, 35.7346



18.3888, 20.3959, 23.2174



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.



47.2829, 57.9537, 70.9824



68.4369, 86.2805, 107.6516



40.0809, 43.5492, 68.5833



12.7922, 14.1079, 15.9863



21.8704, 32.0035, 43.4746



1.3191, 1.9303, 2.6222

Inverse Universe

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



42.6206, 36.6318, 32.0207



60.3263, 49.1886, 39.8730



48.2422, 47.8754, 33.8936



12.4233, 12.4208, 12.9035



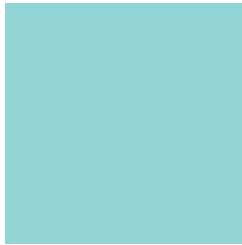
16.7620, 8.6411, 0.7846



1.0110, 0.5212, 0.0474

Previews

White Background



This preview shows how the XYZ color 47.2812, 57.9514, 70.9811 looks on a white background.

Color Contrast Check

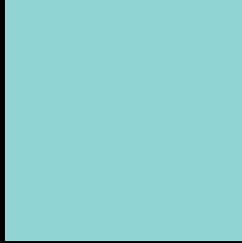
Large Text (above 18pt) WCAG AA × Fail

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 47.2812, 57.9514, 70.9811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

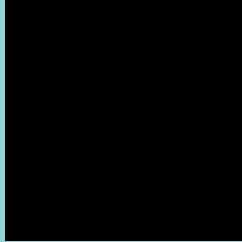
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.2812, 57.9514, 70.9811

Background



This preview shows how black text looks on a background with the XYZ color 47.2812, 57.9514, 70.9811.

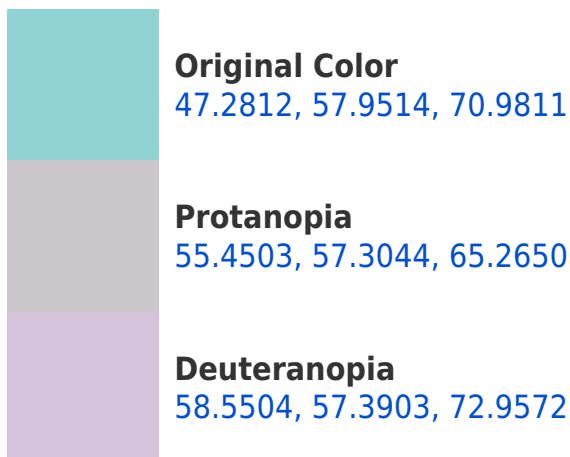


This preview shows how white text looks on a background with the XYZ color 47.2812, 57.9514,

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





Tritanopia

49.3061, 58.0288, 81.2750

Trichromacy



Original Color

47.2812, 57.9514, 70.9811

Protanomaly

51.9098, 57.1619, 67.3289

Deuteranomaly

53.6459, 57.2444, 72.5118

Tritanomaly

48.6918, 58.1584, 77.7666

Monochromacy



Original Color

47.2812, 57.9514, 70.9811

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

48.4114, 54.0843, 61.9206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2812, 57.9514, 70.9811 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(146, 212, 212)` looks like.

```
.text, #text, p{  
    color:rgb(146, 212, 212)  
}
```

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(146, 212, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 212, 212) }
```

Border

The CSS property to change the border of an element to XYZ 47.2812, 57.9514, 70.9811 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(146, 212, 212) }
```


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

```
.border{ border-color:rgb(146, 212, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 212, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 212, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 212, 212);  
box-shadow:4px 4px 4px 4px rgb(146, 212,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2812, 57.9514, 70.9811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 212, 212) }
```

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

```
.background{ background-color: rgb(146,  
212, 212) }
```

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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