

Converting Colors

XYZ(47.1700, 71.2192, 49.6072)

Have a look what the booklet for
XYZ(47.1700, 71.2192, 49.6072)
contains.

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Color

**XYZ(47.1470, 71.0345,
49.7542)**

Conversions

Conversions Part 1

Format	Color
Hex	78F3AB
RGB	120, 243, 171
RGB Percent	47%, 95%, 67%
CMY	0.5294, 0.0470, 0.3294
CMYK	0.51, 0.00, 0.30, 0.05
HSL	145°, 84%, 71%
HSV	145°, 51%, 95%
XYZ	47.1470, 71.0345, 49.7542
YIQ	198.0150, -50.1960, -48.4680

Conversions

Conversions Part 2

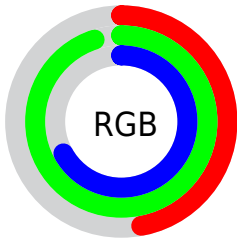
Format	Color
RYB	120, 207, 243
Decimal	7926699
CIELab	87.50, -50.33, 24.40
CIELCh	88, 55.934, 154.131
Yxy	71.0345, 0.2807, 0.4230
Android (android.graphics.Color)	4286116779 (0xFF78F3AB)
YUV	198.0150, -13.3184, -68.4192
Hunter-Lab	84.2820, -47.6412, 23.9967

Details

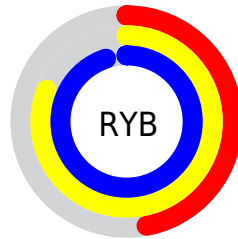
The XYZ color **47.1470, 71.0345, 49.7542** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **53.1953, 36.2950, 54.0737**, and the grayscale version is **53.7874, 56.5886, 61.6249**.

A 20% lighter version of the original color is **68.2155, 86.6498, 85.8028**, and **22.5738, 37.3254, 23.1543** is the 20% darker color. If you saturate the color by 10%, you get **42.9113, 69.0012, 42.8557**, and if you desaturate by 10%, it is **52.3874, 73.5728, 57.4646**.

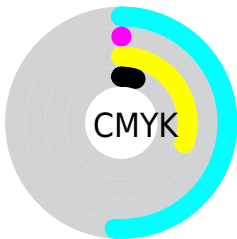
Distribution



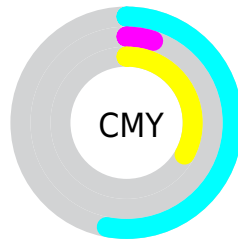
- Red (47%)
- Green (95%)
- Blue (67%)



- Red (47%)
- Yellow (81%)
- Blue (95%)



- Cyan (51%)
- Magenta (0%)
- Yellow (30%)
- Black (5%)





- Cyan (53%)
- Magenta (5%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1470, 71.0345, 49.7542 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 47.1470, 71.0345, 49.7542 by changing the saturation by 10% instead.

 47.1470, 71.0345,
49.7542


 47.1470, 71.0345,
49.7542


366.0401,
464.1740, 402.4114


 33.3603, 52.3704,
34.8483


 85.1504, 120.6828,
91.2031

 22.5632, 37.3004,
23.2634

 110.0978,
152.4358, 118.5833

 14.3902, 25.4401,
14.5810


 139.4962,
189.3206, 150.9586

 8.4761, 16.4053,
8.3825

173.7110,
231.7214, 188.7476

 4.4554, 9.8114,
4.2494

213.1074,
280.0228, 232.3688

 1.9629, 5.2741,
1.7631

258.0508,

 0.6130, 2.4090,

334.6091, 282.2408

0.4035

308.9066,
395.8647, 338.7822

■ 0.0000, 0.8305,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.1470, 71.0345,
49.7542

■ 47.1470, 71.0345,
49.7542

■ 42.9113, 69.0012,
42.8557

■ 52.3874, 73.5728,
57.4646

■ 39.6041, 67.4283,
36.7369


■ 58.6905, 76.6395,
66.0080


■ 37.1468, 66.2777,
31.3704

■ 66.1160, 80.2671,
75.4105

■ 35.4438, 65.5009,
26.7252

■ 74.7178, 84.4828,
85.6960

 34.3889, 65.0386,
22.9906

 84.5460, 89.3119,
96.8869

 91.3419, 92.5838,
107.6640

Harmonies

Analogous

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



54.2463, 71.0345, 31.4118



47.1470, 71.0345, 49.7542



45.2228, 71.0345, 82.7033

Triad

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



47.1470, 71.0345, 49.7542



69.3622, 71.0345, 174.9245



90.7936, 71.0345, 43.2932

Complementary

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



47.1470, 71.0345, 49.7542



53.1953, 36.2950, 54.0737

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.



96.1441, 71.0345, 72.2223



47.1470, 71.0345, 49.7542



82.7907, 71.0345, 154.5155

Square

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



47.1470, 71.0345, 49.7542



57.0313, 71.0345, 162.9765



93.0408, 71.0345, 113.6139



79.2132, 71.0345, 28.6251

Rectangle

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



47.1470, 71.0345, 49.7542



46.8913, 71.0345, 111.0509



93.0408, 71.0345, 113.6139



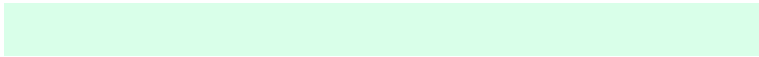
93.4444, 71.0345, 51.2584

Sweetspot

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



47.1489, 71.0374, 49.7558



78.9532, 92.0943, 90.4133



57.6400, 76.9033, 29.5759



16.4681, 19.5007, 18.8352



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.



47.1489, 71.0374, 49.7558



47.6508, 76.8764, 47.4232



54.1800, 73.8499, 86.7813



16.5671, 18.5860, 19.0049



18.9365, 35.7195, 12.9515



1.7142, 3.1593, 1.4011

Inverse Universe

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



53.1953, 36.2950, 54.0737



55.0941, 34.0090, 52.6656



47.8660, 34.1632, 26.0099



16.9060, 16.6453, 19.2518



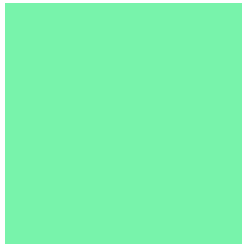
23.0447, 11.5613, 15.4757



2.0765, 1.0366, 1.6292

Previews

White Background



This preview shows how the XYZ color 47.1470, 71.0345, 49.7542 looks on a white background.

Color Contrast Check

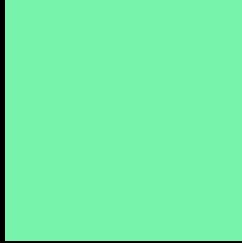
Large Text (above 18pt) WCAG AA × Fail

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 47.1470, 71.0345, 49.7542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

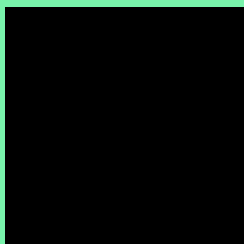
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

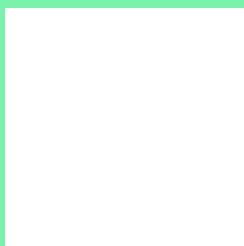
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.1470, 71.0345, 49.7542

Background



This preview shows how black text looks on a background with the XYZ color 47.1470, 71.0345, 49.7542.

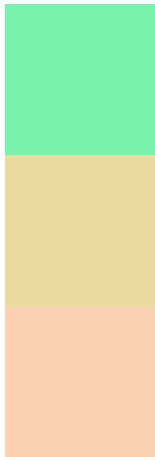


This preview shows how white text looks on a background with the XYZ color 47.1470, 71.0345,

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

47.1470, 71.0345, 49.7542

Protanopia

65.3483, 70.1733, 43.3583

Deuteranopia

70.9812, 69.5107, 51.7953



Tritanopia

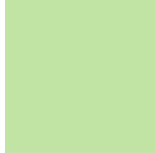
57.5360, 70.9056, 101.9205

Trichromacy



Original Color

47.1470, 71.0345, 49.7542



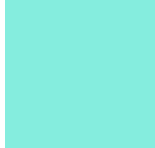
Protanomaly

56.1622, 68.9560, 45.4717



Deuteranomaly

58.4962, 67.6454, 50.5312



Tritanomaly

53.1419, 70.8288, 79.9777

Monochromacy



Original Color

47.1470, 71.0345, 49.7542



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

49.7012, 60.2700, 56.5907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1470, 71.0345, 49.7542 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(120, 243, 171)` looks like.

```
.text, #text, p{  
    color:rgb(120, 243, 171)  
}
```

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(120, 243, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 243, 171) }
```

Border

The CSS property to change the border of an element to XYZ 47.1470, 71.0345, 49.7542 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(120, 243, 171) }
```


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

```
.border{ border-color:rgb(120, 243, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 243, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 243, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 243, 171);  
box-shadow:4px 4px 4px 4px rgb(120, 243,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1470, 71.0345, 49.7542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 243, 171) }
```

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

```
.background{ background-color: rgb(120,  
243, 171) }
```

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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