

# Converting Colors

XYZ(47.9329, 71.8290, 52.4124)

Have a look what the booklet for  
XYZ(47.9329, 71.8290, 52.4124)  
contains.

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# Color

**XYZ(47.9329, 71.8290,  
52.4124)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78F4B0
RGB	120, 244, 176
RGB Percent	47%, 96%, 69%
CMY	0.5294, 0.0431, 0.3098
CMYK	0.51, 0.00, 0.28, 0.04
HSL	147°, 85%, 71%
HSV	147°, 51%, 96%
XYZ	47.9329, 71.8290, 52.4124
YIQ	199.1720, -52.0760, -47.4360

# Conversions

## Conversions Part 2

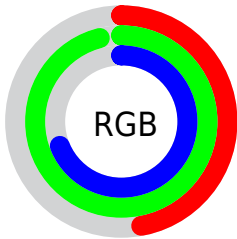
Format	Color
<a href="#">RYB</a>	<a href="#">120, 205, 244</a>
Decimal	<a href="#">7926960</a>
CIELab	<a href="#">87.89, -49.80, 22.37</a>
CIELCh	<a href="#">88, 54.593, 155.809</a>
Yxy	<a href="#">71.8290, 0.2784, 0.4172</a>
Android (android.graphics.Color)	<a href="#">4286117040 (0xFF78F4B0)</a>
YUV	<a href="#">199.1720, -11.4238, -69.4338</a>
Hunter-Lab	<a href="#">84.7520, -47.3623, 22.6602</a>

# Details

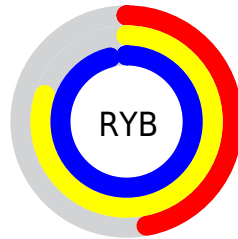
The XYZ color **47.9329, 71.8290, 52.4124** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **53.1041, 36.2985, 51.7870**, and the grayscale version is **54.4836, 57.3209, 62.4225**.

A 20% lighter version of the original color is **68.9159, 86.9299, 89.4908**, and **23.0328, 37.8406, 24.8289** is the 20% darker color. If you saturate the color by 10%, you get **43.7111, 69.8000, 45.6416**, and if you desaturate by 10%, it is **53.1511, 74.3604, 59.9143**.

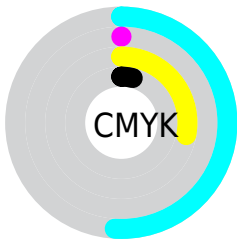
# Distribution



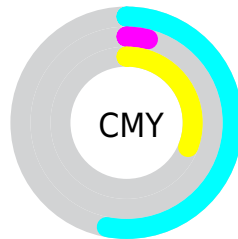
- Red (47%)
- Green (96%)
- Blue (69%)



- Red (47%)
- Yellow (80%)
- Blue (96%)



- Cyan (51%)
- Magenta (0%)
- Yellow (28%)
- Black (4%)




- Cyan (53%)
- Magenta (4%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9329, 71.8290, 52.4124 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 47.9329, 71.8290, 52.4124 by changing the saturation by 10% instead.





 47.9329, 71.8290,  
52.4124


 47.9329, 71.8290,  
52.4124


369.1131,  
466.9462, 413.0288


 33.9848, 53.0190,  
36.9494


 86.3148, 121.8134,  
95.1719

 23.0447, 37.8179,  
24.8728


 111.4793,  
153.7566, 123.3055

 14.7474, 25.8414,  
15.7642


 141.1133,  
190.8462, 156.4997

 8.7275, 16.7050,  
9.2049

175.5821,  
233.4668, 195.1731

 4.6195, 10.0244,  
4.7764

215.2511,  
282.0027, 239.7441

 2.0582, 5.4151,  
2.0603


260.4858,

 0.6664, 2.4928,


336.8383, 290.6314


0.5920


311.6513,  
398.3580, 348.2535


 0.0000, 0.8731,  
0.0000


 0.0000, 0.0000,  
0.0000


 47.9329, 71.8290,  
52.4124


 47.9329, 71.8290,  
52.4124


 43.7111, 69.8000,  
45.6416


 53.1511, 74.3604,  
59.9143


 40.4094, 68.2288,  
39.5741


 59.4235, 77.4179,  
68.1641


 37.9491, 67.0772,  
34.1871


 66.8099, 81.0337,  
77.1843

 36.2343, 66.2962,  
29.4547

 75.3638, 85.2351,  
86.9949

 35.1770, 65.8340,  
25.6603

 85.1354, 90.0476,  
97.6149

 91.6420, 93.1840,  
107.7640

# Harmonies

## Analogous

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



54.6789, 71.8290, 33.3682



47.9329, 71.8290, 52.4124



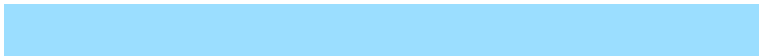
46.3204, 71.8290, 85.6730

# Triad

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



47.9329, 71.8290, 52.4124



70.8299, 71.8290, 173.1101



90.5899, 71.8290, 43.3863

# Complementary

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



47.9329, 71.8290, 52.4124



53.1041, 36.2985, 51.7870

# 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.



96.2485, 71.8290, 71.1927



47.9329, 71.8290, 52.4124



83.9480, 71.8290, 151.7216

# Square

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



47.9329, 71.8290, 52.4124



58.5416, 71.8290, 163.2606



93.6760, 71.8290, 111.3271



79.0235, 71.8290, 29.4320



# Rectangle

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



47.9329, 71.8290, 52.4124



48.1686, 71.8290, 113.6587



93.6760, 71.8290, 111.3271



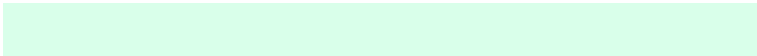
93.3086, 71.8290, 51.0235

# Sweetspot

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



47.9348, 71.8319, 52.4140



79.1557, 92.1753, 91.4795



56.5316, 76.7774, 29.6102



16.5167, 19.5201, 19.0911



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.



47.9348, 71.8319, 52.4140



48.1820, 77.0889, 50.2203



55.5020, 74.8588, 92.2622



16.5933, 18.5965, 19.1428



19.1933, 35.8222, 14.3039



1.7380, 3.1688, 1.5261



# Inverse Universe

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



53.1041, 36.2985, 51.7870



54.4755, 33.7615, 49.4078



47.8055, 34.1791, 23.8849



16.8794, 16.6346, 19.1115



22.6886, 11.4189, 13.6004

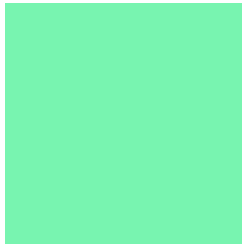


2.0459, 1.0243, 1.4681



# Previews

## White Background



This preview shows how the XYZ color 47.9329, 71.8290, 52.4124 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

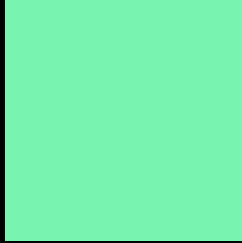
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.9329, 71.8290, 52.4124 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

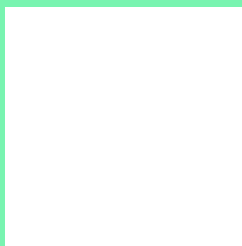
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 47.9329, 71.8290, 52.4124**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.9329, 71.8290, 52.4124.



This preview shows how white text looks on a background with the XYZ color 47.9329, 71.8290,



# 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

47.9329, 71.8290, 52.4124

### Protanopia

65.9640, 70.8358, 45.3180

### Deuteranopia

71.9864, 70.7029, 54.6527



## Tritanopia

58.1369, 71.6002, 103.6846

# Trichromacy



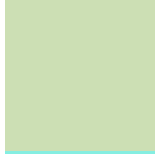
## Original Color

47.9329, 71.8290, 52.4124



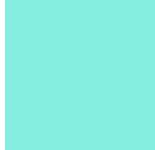
## Protanomaly

56.8036, 69.6514, 47.4960



## Deuteranomaly

59.5277, 68.9080, 53.3431



## Tritanomaly

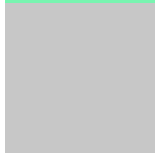
53.8380, 71.5719, 82.2114

# Monochromacy



## Original Color

47.9329, 71.8290, 52.4124



## Achromatopsia

54.2854, 57.1125, 62.1955



## Achromatomaly

50.2820, 60.9085, 58.3966

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.9329, 71.8290, 52.4124 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, 244, 176)` looks like.

```
.text, #text, p{  
    color:rgb(120, 244, 176)  
}
```

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, 244, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 244, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 47.9329, 71.8290, 52.4124 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, 244, 176) }
```



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

```
.border{ border-color:rgb(120, 244, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 244, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 244, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 244, 176);  
box-shadow:4px 4px 4px 4px rgb(120, 244,  
176) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.9329, 71.8290, 52.4124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 244, 176) }
```

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

```
.background{ background-color: rgb(120,  
244, 176) }
```

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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