

# Converting Colors

XYZ(36.9614, 49.4555, 47.5864)

Have a look what the booklet for  
XYZ(36.9614, 49.4555, 47.5864)  
contains.

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# Color

**XYZ(37.0727, 49.5821,  
47.6608)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7CCA AE
RGB	124, 202, 174
RGB Percent	49%, 79%, 68%
CMY	0.5137, 0.2078, 0.3176
CMYK	0.39, 0.00, 0.14, 0.21
HSL	158°, 42%, 64%
HSV	158°, 39%, 79%
XYZ	37.0727, 49.5821, 47.6608
YIQ	175.4860, -37.5000, -25.2440

# Conversions

## Conversions Part 2

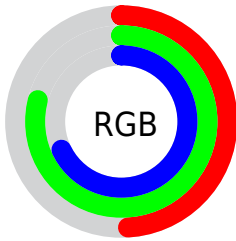
Format	Color
<b>RYB</b>	124, 172, 202
Decimal	8178350
CIELab	75.81, -30.42, 6.44
CIElCh	76, 31.094, 168.045
Yxy	49.5821, 0.2760, 0.3691
Android (android.graphics.Color)	4286368430 (0xFF7CCA AE)
YUV	175.4860, -0.7326, -45.1532
Hunter-Lab	70.4146, -29.2467, 9.1592

# Details

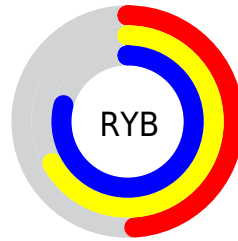
The XYZ color **37.0727, 49.5821, 47.6608** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.2339, 29.2402, 33.3892**, and the grayscale version is **41.0182, 43.1543, 46.9951**.

A 20% lighter version of the original color is **68.4933, 86.7608, 87.2653**, and **16.6285, 23.8870, 22.1466** is the 20% darker color. If you saturate the color by 10%, you get **33.7593, 47.9548, 43.9150**, and if you desaturate by 10%, it is **41.0250, 51.5370, 51.6379**.

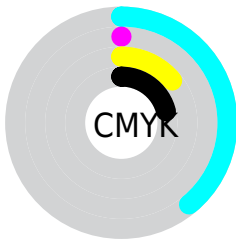
# Distribution



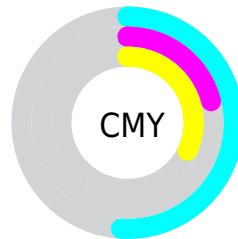
- Red (49%)
- Green (79%)
- Blue (68%)



- Red (49%)
- Yellow (67%)
- Blue (79%)



- Cyan (39%)
- Magenta (0%)
- Yellow (14%)
- Black (21%)




- Cyan (51%)
- Magenta (21%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0727, 49.5821, 47.6608 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 37.0727, 49.5821, 47.6608 by changing the saturation by 10% instead.




 37.0727, 49.5821,  
47.6608


 37.0727, 49.5821,  
47.6608


324.9752,  
385.0294, 393.9159


 25.4377, 35.0815,  
33.2003


 69.9977, 89.5554,  
88.0594

 16.5339, 23.7256,  
22.0075

 92.0184, 115.7968,  
114.8346

 9.9960, 15.1302,  
13.6641

 118.2317,  
146.7207, 146.5518

 5.4586, 8.9108,  
7.7513

149.0031,  
182.7113, 183.6294

 2.5562, 4.6831,  
3.8508

184.6977,  
224.1531, 226.4861

 0.9237, 2.0625,  
1.5438

225.6811,

 0.0000, 0.6434,

271.4304, 275.5404

0.2503

272.3184,  
324.9277, 331.2108

■ 0.0000, 0.0000,  
0.0000

■ 37.0727, 49.5821,  
47.6608

■ 37.0727, 49.5821,  
47.6608

■ 33.7593, 47.9548,  
43.9150

■ 41.0250, 51.5370,  
51.6379

■ 31.0433, 46.6298,  
40.3922

■ 45.6463, 53.8309,  
55.8477

■ 28.8847, 45.5879,  
37.0885

■ 50.9697, 56.4823,  
60.2955

■ 27.2365, 44.8049,  
33.9985

■ 57.0247, 59.5063,  
64.9859

■ 26.0436, 44.2525,  
31.1161

■ 63.8395, 62.9172,  
69.9228

■ 25.2187, 43.8858,  
28.4338

■ 71.4402, 66.7286,  
75.1104

■ 25.1162, 43.8407,  
28.0768

■ 75.9199, 68.9262,  
80.3685

■ 76.9292, 69.3299,  
85.6834

■ 77.9810, 69.7506,  
91.2223

# Harmonies

## Analogous

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



39.3386, 49.5821, 35.3881



37.0727, 49.5821, 47.6608



37.3336, 49.5821, 64.4529

# Triad

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



37.0727, 49.5821, 47.6608



50.6517, 49.5821, 90.2370



54.9498, 49.5821, 33.6153

# Complementary

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



37.0727, 49.5821, 47.6608



37.2339, 29.2402, 33.3892

# 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.



58.4972, 49.5821, 44.7193



37.0727, 49.5821, 47.6608



55.8794, 49.5821, 78.1711

# Square

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



37.0727, 49.5821, 47.6608



44.8624, 49.5821, 91.4746



58.8506, 49.5821, 60.8485



49.4651, 49.5821, 28.4606



# Rectangle

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



37.0727, 49.5821, 47.6608



38.9082, 49.5821, 76.0619



58.8506, 49.5821, 60.8485



56.4271, 49.5821, 36.6580

# Sweetspot

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



37.0741, 49.5841, 47.6619



82.9560, 93.9638, 99.3643



37.8217, 50.4318, 26.8105



17.4979, 19.9835, 21.0537



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

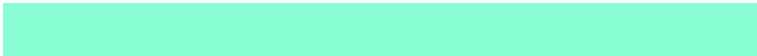


# Same Dimension

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



37.0741, 49.5841, 47.6619



58.1879, 81.6962, 75.5797



37.7363, 46.0751, 62.7839



11.3657, 12.6560, 13.4830



16.2052, 28.2274, 18.2973



0.8715, 1.4704, 1.1306



# Inverse Universe

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



37.2339, 29.2402, 33.3892



58.5044, 42.6385, 48.2252



36.5772, 31.1741, 23.1590



11.3759, 11.2791, 12.5144



16.4761, 8.4010, 4.9596

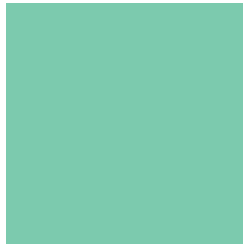


0.8860, 0.4478, 0.4457



# Previews

## White Background



This preview shows how the XYZ color 37.0727, 49.5821, 47.6608 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

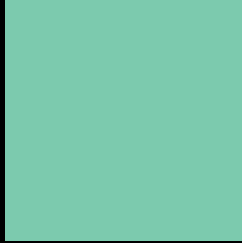
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.0727, 49.5821, 47.6608 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 37.0727, 49.5821, 47.6608**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.0727, 49.5821, 47.6608.



This preview shows how white text looks on a background with the XYZ color 37.0727, 49.5821,

47.6608.

# 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

37.0727, 49.5821, 47.6608

### Protanopia

46.3886, 48.8839, 42.5879

### Deuteranopia

50.1901, 49.1626, 49.4919



## Tritanopia

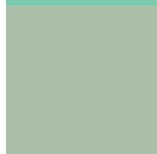
41.5228, 49.6725, 69.6866

# Trichromacy



## Original Color

37.0727, 49.5821, 47.6608



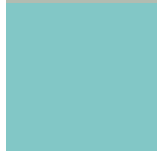
## Protanomaly

42.0609, 48.5238, 44.1950



## Deuteranomaly

44.0505, 48.4879, 48.6324



## Tritanomaly

39.8224, 49.6699, 60.9145

# Monochromacy



## Original Color

37.0727, 49.5821, 47.6608



## Achromatopsia

40.7470, 42.8690, 46.6844



## Achromatomaly

38.7971, 44.8610, 47.1717

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.0727, 49.5821, 47.6608 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(124, 202, 174)` looks like.

```
.text, #text, p{  
    color:rgb(124, 202, 174)  
}
```

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(124, 202, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 202, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 37.0727, 49.5821, 47.6608 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(124, 202, 174) }
```



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

```
.border{ border-color:rgb(124, 202, 174) }
```

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

Here you see how a box with a 4 pixel rgb(124, 202, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 202, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 202, 174);  
box-shadow:4px 4px 4px 4px rgb(124, 202,  
174) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.0727, 49.5821, 47.6608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 202, 174) }
```

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

```
.background{ background-color: rgb(124,  
202, 174) }
```

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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