

# Converting Colors

XYZ(37.1449, 47.2371, 47.1976)

Have a look what the booklet for  
XYZ(37.1449, 47.2371, 47.1976)  
contains.

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# Color

**XYZ(37.1468, 47.2371,  
47.2042)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87C3AE
RGB	135, 195, 174
RGB Percent	53%, 76%, 68%
CMY	0.4706, 0.2353, 0.3176
CMYK	0.31, 0.00, 0.11, 0.24
HSL	159°, 33%, 65%
HSV	159°, 31%, 76%
XYZ	37.1468, 47.2371, 47.2042
YIQ	174.6660, -29.0190, -19.2510

# Conversions

## Conversions Part 2

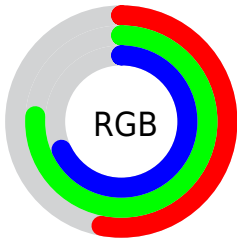
<b>Format</b>	<b>Color</b>
<b>RYB</b>	135, 171, 195
Decimal	8897454
CIELab	74.34, -23.84, 4.39
CIELCh	74, 24.238, 169.561
Yxy	47.2371, 0.2823, 0.3590
Android (android.graphics.Color)	4287087534 (0xFF87C3AE)
YUV	174.6660, -0.3283, -34.7871
Hunter-Lab	68.7293, -23.8005, 7.3893

# Details

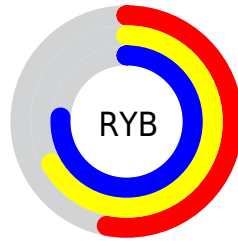
The XYZ color **37.1468, 47.2371, 47.2042** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.1721, 31.3317, 35.5430**, and the grayscale version is **40.5884, 42.7022, 46.5027**.

A 20% lighter version of the original color is **70.1885, 86.2251, 87.0725**, and **16.6050, 22.2939, 21.8403** is the 20% darker color. If you saturate the color by 10%, you get **33.6437, 45.5074, 43.6550**, and if you desaturate by 10%, it is **41.2610, 49.2805, 50.9605**.

# Distribution



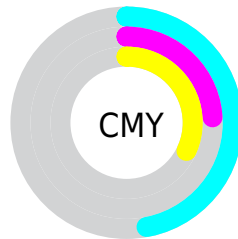
- Red (53%)
- Green (76%)
- Blue (68%)



- Red (53%)
- Yellow (67%)
- Blue (76%)



- Cyan (31%)
- Magenta (0%)
- Yellow (11%)
- Black (24%)



- Cyan (47%)
- Magenta (24%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1468, 47.2371, 47.2042 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 37.1468, 47.2371, 47.2042 by changing the saturation by 10% instead.




 37.1468, 47.2371,  
47.2042


 37.1468, 47.2371,  
47.2042


325.2902,  
375.7601, 392.0464


 25.4954, 33.2231,  
32.8416


 70.1109, 86.0674,  
87.3715

 16.5772, 22.2974,  
21.7350

 92.1542, 111.6526,  
114.0133

 10.0269, 14.0756,  
13.4659

 118.3923,  
141.8636, 145.5853

 5.4792, 8.1733,  
7.6156

149.1903,  
177.0848, 182.5060

 2.5687, 4.2060,  
3.7658

184.9138,  
217.7007, 225.1939

 0.9300, 1.7895,  
1.4978

225.9280,

 0.0000, 0.4806,

264.0956, 274.0675

0.2162

272.5984,  
316.6540, 329.5455

■ 0.0000, 0.0000,  
0.0000

■ 37.1468, 47.2371,  
47.2042

■ 37.1468, 47.2371,  
47.2042

■ 33.6437, 45.5074,  
43.6550

■ 41.2610, 49.2805,  
50.9605

■ 30.7158, 44.0691,  
40.3058

■ 46.0119, 51.6468,  
54.9247

■ 28.3296, 42.9063,  
37.1531


■ 51.4283, 54.3522,  
59.1017


■ 26.4462, 41.9989,  
34.1926


■ 57.5361, 57.4100,  
63.4950


■ 25.0212, 41.3242,  
31.4194


■ 64.3598, 60.8327,  
68.1082


 24.0023, 40.8552,  
28.8282

 71.9226, 64.6322,  
72.9447

 23.3302, 40.5576,  
26.5909

 73.9115, 65.5541,  
77.7114

 74.8440, 65.9271,  
82.6220

 75.8140, 66.3151,  
87.7299

# Harmonies

## Analogous

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



38.8141, 47.2371, 37.3780



37.1468, 47.2371, 47.2042



37.4518, 47.2371, 59.8983

# Triad

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



37.1468, 47.2371, 47.2042



47.7633, 47.2371, 77.5377



50.5580, 47.2371, 35.2376

# Complementary

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



37.1468, 47.2371, 47.2042



37.1721, 31.3317, 35.5430

# 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.



53.2698, 47.2371, 43.8057



37.1468, 47.2371, 47.2042



51.5854, 47.2371, 68.6323

# Square

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



37.1468, 47.2371, 47.2042



43.3955, 47.2371, 78.8444



53.6575, 47.2371, 55.9075



46.4337, 47.2371, 31.2492



# Rectangle

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



37.1468, 47.2371, 47.2042



38.7392, 47.2371, 68.2912



53.6575, 47.2371, 55.9075



51.6761, 47.2371, 37.6063

# Sweetspot

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



37.1481, 47.2390, 47.2053



83.9030, 93.2440, 99.5600



37.7945, 47.9496, 30.1858



18.0750, 20.2704, 21.5648



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

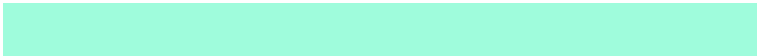


# Same Dimension

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



37.1481, 47.2390, 47.2053



62.1444, 82.4335, 80.1760



37.6139, 44.6336, 58.2647



10.2140, 11.3666, 12.1300



15.2038, 26.3756, 17.4979



0.6885, 1.1523, 0.9224



# Inverse Universe

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



37.1721, 31.3317, 35.5430



62.1992, 49.3850, 55.9715



36.7028, 32.9976, 27.3573



10.2155, 10.1348, 11.2255



15.3470, 7.8286, 4.4734



0.6960, 0.3514, 0.3664



# Previews

## White Background



This preview shows how the XYZ color 37.1468, 47.2371, 47.2042 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

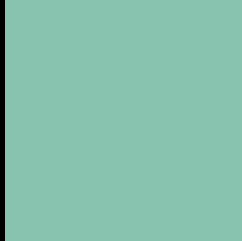
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.1468, 47.2371, 47.2042 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

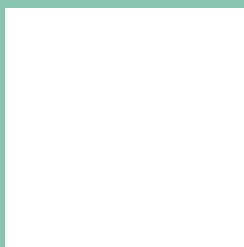
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 37.1468, 47.2371, 47.2042**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.1468, 47.2371, 47.2042.



This preview shows how white text looks on a background with the XYZ color 37.1468, 47.2371,



# 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

37.1468, 47.2371, 47.2042

### Protanopia

44.4852, 46.6566, 43.2202

### Deuteranopia

47.6486, 46.6825, 48.6188



## **Tritanopia**

40.7094, 47.0339, 65.3254

# Trichromacy



## Original Color

37.1468, 47.2371, 47.2042

## Protanomaly

41.1768, 46.4551, 44.8267

## Deuteranomaly

43.0008, 46.3884, 48.2824

## Tritanomaly

39.2347, 47.0833, 58.0590

# Monochromacy



## Original Color

37.1468, 47.2371, 47.2042

## Achromatopsia

40.7470, 42.8690, 46.6844

## Achromatomaly

38.9630, 44.0246, 47.0015

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.1468, 47.2371, 47.2042 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(135, 195, 174)` looks like.

```
.text, #text, p{  
    color:rgb(135, 195, 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(135, 195, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 195, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 37.1468, 47.2371, 47.2042 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(135, 195, 174) }
```



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

```
.border{ border-color:rgb(135, 195, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 195, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 195, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 195, 174);  
box-shadow:4px 4px 4px 4px rgb(135, 195,  
174) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.1468, 47.2371, 47.2042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 195, 174) }
```

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

```
.background{ background-color: rgb(135,  
195, 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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