

# Converting Colors

XYZ(31.7394, 42.3882, 39.3804)

Have a look what the booklet for  
XYZ(31.7394, 42.3882, 39.3804)  
contains.

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# Color

**XYZ(31.7124, 42.3212,  
39.2983)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76BC9F
RGB	118, 188, 159
RGB Percent	46%, 74%, 62%
CMY	0.5372, 0.2627, 0.3765
CMYK	0.37, 0.00, 0.15, 0.26
HSL	155°, 34%, 60%
HSV	155°, 37%, 74%
XYZ	31.7124, 42.3212, 39.2983
YIQ	163.7640, -32.4110, -23.8590

# Conversions

## Conversions Part 2

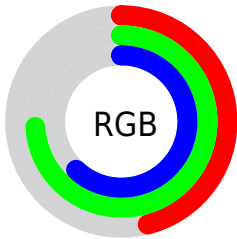
Format	Color
<a href="#">RYB</a>	<a href="#">118, 162, 188</a>
Decimal	<a href="#">7781535</a>
CIELab	<a href="#">71.09, -28.61, 7.76</a>
CIElCh	<a href="#">71, 29.640, 164.820</a>
Yxy	<a href="#">42.3212, 0.2798, 0.3734</a>
Android (android.graphics.Color)	<a href="#">4285971615 (0xFF76BC9F)</a>
YUV	<a href="#">163.7640, -2.3487, -40.1350</a>
Hunter-Lab	<a href="#">65.0547, -26.8320, 9.7224</a>

# Details

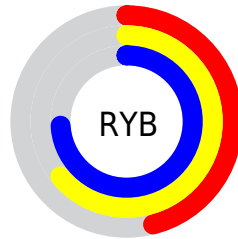
The XYZ color **31.7124, 42.3212, 39.2983** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.4853, 25.7558, 30.8644**, and the grayscale version is **35.1972, 37.0301, 40.3258**.

A 20% lighter version of the original color is **62.0236, 79.0441, 75.6064**, and **13.4118, 19.2567, 17.1974** is the 20% darker color. If you saturate the color by 10%, you get **28.7548, 40.8733, 35.7425**, and if you desaturate by 10%, it is **35.2238, 44.0519, 43.1042**.

# Distribution



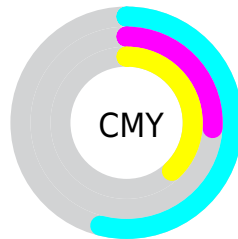
- Red (46%)
- Green (74%)
- Blue (62%)



- Red (46%)
- Yellow (64%)
- Blue (74%)



- Cyan (37%)
- Magenta (0%)
- Yellow (15%)
- Black (26%)




- Cyan (54%)
- Magenta (26%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7124, 42.3212, 39.2983 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 31.7124, 42.3212, 39.2983 by changing the saturation by 10% instead.





 31.7124, 42.3212,  
39.2983


 31.7124, 42.3212,  
39.2983


301.5757,  
355.8127, 358.6208


 21.2964, 29.3529,  
26.6823


 61.7282, 78.6855,  
75.3192

 13.4545, 19.3479,  
17.1044


 82.0587, 102.8503,  
99.5610

 7.8214, 11.9220,  
10.1462


 106.4248,  
131.5160, 128.5153

 4.0317, 6.6906,  
5.3891

135.1917,  
165.0671, 162.6004

 1.7201, 3.2693,  
2.4146

168.7249,  
203.8879, 202.2350

 0.4688, 1.2739,  
0.7944

207.3897,

 0.0000, 0.1209,

248.3629, 247.8376

0.0000

251.5515,  
298.8763, 299.8267

■ 0.0000, 0.0000,  
0.0000

■ 31.7124, 42.3212,  
39.2983

■ 31.7124, 42.3212,  
39.2983

■ 28.7548, 40.8733,  
35.7425

■ 35.2238, 44.0519,  
43.1042

■ 26.3163, 39.6870,  
32.4285

■ 39.3141, 46.0750,  
47.1626

■ 24.3636, 38.7465,  
29.3513

■ 44.0111, 48.4057,  
51.4796

■ 22.8580, 38.0317,  
26.5049

■ 49.3396, 51.0568,  
56.0601

■ 21.7543, 37.5196,  
23.8827

■ 55.3233, 54.0403,  
60.9089

■ 20.9886, 37.1774,  
21.4771

■ 61.9842, 57.3677,  
66.0306

■ 20.8046, 37.0963,  
20.8480

■ 69.3436, 61.0497,  
71.4297

■ 72.3170, 62.4652,  
76.8716

■ 73.3813, 62.8909,  
82.4757

# Harmonies

## Analogous

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



33.8758, 42.3212, 29.3085



31.7124, 42.3212, 39.2983



31.6992, 42.3212, 53.4186

# Triad

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



31.7124, 42.3212, 39.2983



42.7117, 42.3212, 77.8143



47.3690, 42.3212, 29.3982

# Complementary

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



31.7124, 42.3212, 39.2983



32.4853, 25.7558, 30.8644

# 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.



50.1570, 42.3212, 39.4474



31.7124, 42.3212, 39.2983



47.3219, 42.3212, 68.2727

# Square

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



31.7124, 42.3212, 39.2983



37.7813, 42.3212, 77.7514



50.1391, 42.3212, 53.6015



42.7719, 42.3212, 24.4436



# Rectangle

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



31.7124, 42.3212, 39.2983



32.8991, 42.3212, 63.4839



50.1391, 42.3212, 53.6015



48.5650, 42.3212, 32.1896

# Sweetspot

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



31.7136, 42.3229, 39.2993



76.2672, 85.9896, 90.1517



33.3171, 43.4947, 23.7793



16.1520, 18.3681, 19.1585



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



31.7136, 42.3229, 39.2993



52.8532, 74.4359, 65.7124



33.3117, 41.0083, 53.7387



9.6368, 10.7408, 11.3369



14.2020, 25.2711, 14.3923



0.5882, 1.0026, 0.7315



# Inverse Universe

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



32.4853, 25.7558, 30.8644



54.4670, 39.9109, 48.1624



31.1970, 26.3739, 20.5864



9.6897, 9.6002, 10.7548



15.0890, 7.6667, 5.7621



0.6237, 0.3134, 0.3976



# Previews

## White Background



This preview shows how the XYZ color 31.7124, 42.3212, 39.2983 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

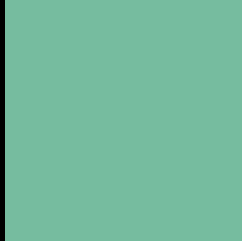
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 31.7124, 42.3212, 39.2983 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

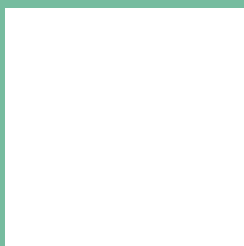
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 31.7124, 42.3212, 39.2983**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.7124, 42.3212, 39.2983.



This preview shows how white text looks on a background with the XYZ color 31.7124, 42.3212,

39.2983.

# 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

31.7124, 42.3212, 39.2983

### Protanopia

39.5855, 41.9453, 35.2880

### Deuteranopia

42.6777, 41.7511, 40.4597



## Tritanopia

35.7639, 42.4102, 59.1244

# Trichromacy



**Original Color**

31.7124, 42.3212, 39.2983

**Protanomaly**

35.8537, 41.4430, 36.6815

**Deuteranomaly**

37.5774, 41.3756, 40.1882

**Tritanomaly**

34.2084, 42.4019, 51.1812

# Monochromacy



**Original Color**

31.7124, 42.3212, 39.2983

**Achromatopsia**

35.2861, 37.1238, 40.4278

**Achromatomaly**

33.4978, 38.6988, 39.8865

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.7124, 42.3212, 39.2983 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(118, 188, 159)` looks like.

```
.text, #text, p{  
    color:rgb(118, 188, 159)  
}
```

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(118, 188, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 188, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 31.7124, 42.3212, 39.2983 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(118, 188, 159) }
```



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

```
.border{ border-color:rgb(118, 188, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 188, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 188, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 188, 159);  
box-shadow:4px 4px 4px 4px rgb(118, 188,  
159) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.7124, 42.3212, 39.2983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 188, 159) }
```

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

```
.background{ background-color: rgb(118,  
188, 159) }
```

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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