

Converting Colors

XYZ(31.7417, 42.9750, 39.4229)

Have a look what the booklet for
XYZ(31.7417, 42.9750, 39.4229)
contains.

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Color

**XYZ(31.7417, 42.9750,
39.4229)**

Conversions

Conversions Part 1

Format	Color
Hex	73BE9F
RGB	115, 190, 159
RGB Percent	45%, 75%, 62%
CMY	0.5490, 0.2549, 0.3765
CMYK	0.39, 0.00, 0.16, 0.25
HSL	155°, 37%, 60%
HSV	155°, 39%, 75%
XYZ	31.7417, 42.9750, 39.4229
YIQ	164.0410, -34.7490, -25.5410

Conversions

Conversions Part 2

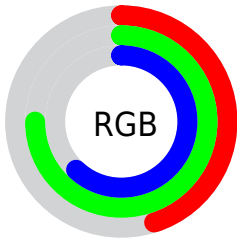
Format	Color
RYB	115, 162, 190
Decimal	7585439
CIELab	71.54, -30.42, 8.38
CIELCh	72, 31.555, 164.599
Yxy	42.9750, 0.2781, 0.3765
Android (android.graphics.Color)	4285775519 (0xFF73BE9F)
YUV	164.0410, -2.4852, -43.0090
Hunter-Lab	65.5553, -28.2926, 10.2336

Details

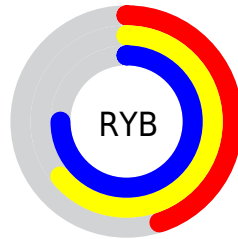
The XYZ color **31.7417, 42.9750, 39.4229** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.5557, 25.2850, 30.3604**, and the grayscale version is **35.3304, 37.1703, 40.4785**.

A 20% lighter version of the original color is **61.9759, 79.9226, 75.7785**, and **13.4975, 19.7152, 17.2814** is the 20% darker color. If you saturate the color by 10%, you get **28.8362, 41.5546, 35.8421**, and if you desaturate by 10%, it is **35.2078, 44.6817, 43.2579**.

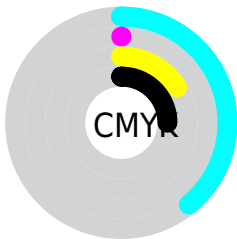
Distribution



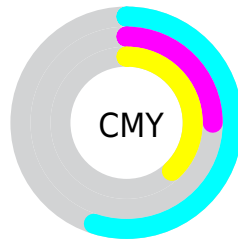
- Red (45%)
- Green (75%)
- Blue (62%)



- Red (45%)
- Yellow (64%)
- Blue (75%)



- Cyan (39%)
- Magenta (0%)
- Yellow (16%)
- Black (25%)




- Cyan (55%)
- Magenta (25%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7417, 42.9750, 39.4229 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 31.7417, 42.9750, 39.4229 by changing the saturation by 10% instead.


 31.7417, 42.9750,
39.4229


 31.7417, 42.9750,
39.4229


301.7072,
358.5089, 359.1646


 21.3189, 29.8655,
26.7785


 61.7739, 79.6731,
75.5114

 13.4711, 19.7365,
17.1760


 82.1139, 104.0306,
99.7925

 7.8330, 12.2037,
10.1968

 106.4904,
132.9061, 128.7897

 4.0391, 6.8825,
5.4223

135.2687,
166.6841, 162.9214

 1.7243, 3.3887,
2.4341

168.8142,
205.7490, 202.6063

 0.4714, 1.3379,
0.8049

207.4922,

 0.0000, 0.1703,

250.4852, 248.2627

0.0000

251.6681,
301.2770, 300.3093

■ 0.0000, 0.0000,
0.0000

■ 31.7417, 42.9750,
39.4229

■ 31.7417, 42.9750,
39.4229

■ 28.8362, 41.5546,
35.8421

■ 35.2078, 44.6817,
43.2579

■ 26.4551, 40.3984,
32.5068

■ 39.2610, 46.6848,
47.3497

■ 24.5635, 39.4898,
29.4120

■ 43.9300, 49.0003,
51.7043

■ 23.1201, 38.8075,
26.5515

■ 49.2409, 51.6413,
56.3270

■ 22.0767, 38.3268,
23.9184

■ 55.2180, 54.6204,
61.2225

■ 21.3446, 38.0021,
21.5039

■ 61.8844, 57.9495,
66.3957

■ 21.3092, 37.9865,
21.3825

■ 69.2621, 61.6398,
71.8511

■ 72.8166, 63.3535,
77.3801

■ 73.8932, 63.7841,
83.0491

Harmonies

Analogous

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



34.0652, 42.9750, 28.8513



31.7417, 42.9750, 39.4229



31.7103, 42.9750, 54.5867

Triad

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



31.7417, 42.9750, 39.4229



43.4843, 42.9750, 81.3280



48.5865, 42.9750, 29.0622

Complementary

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



31.7417, 42.9750, 39.4229



32.5557, 25.2850, 30.3604

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.



51.5877, 42.9750, 39.7779



31.7417, 42.9750, 39.4229



48.4727, 42.9750, 70.9556

Square

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



31.7417, 42.9750, 39.4229



38.1849, 42.9750, 81.1744



51.5444, 42.9750, 55.0276



43.6289, 42.9750, 23.8173

Rectangle

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



31.7417, 42.9750, 39.4229



32.9783, 42.9750, 65.5147



51.5444, 42.9750, 55.0276



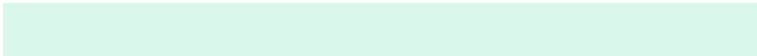
49.8760, 42.9750, 32.0273

Sweetspot

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



31.7429, 42.9767, 39.4239



77.1892, 87.5929, 91.4973



33.4079, 44.2005, 22.9910



16.6991, 19.1101, 19.8607



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



31.7429, 42.9767, 39.4239



53.0860, 75.7060, 66.0279



33.4545, 41.5415, 54.9724



9.6372, 10.7410, 11.3389



14.2086, 25.2737, 14.4271



0.5884, 1.0027, 0.7327

Inverse Universe

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



32.5557, 25.2850, 30.3604



54.7623, 39.3569, 47.4376



31.1988, 25.9216, 19.5792



9.6893, 9.6000, 10.7528



15.0846, 7.6650, 5.7390



0.6235, 0.3133, 0.3966

Previews

White Background



This preview shows how the XYZ color 31.7417, 42.9750, 39.4229 looks on a white background.

Color Contrast Check

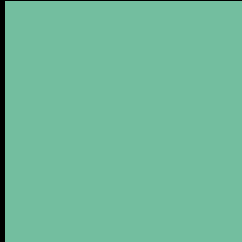
Large Text (above 18pt) WCAG AA × Fail

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 31.7417, 42.9750, 39.4229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

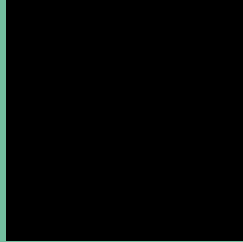
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.7417, 42.9750, 39.4229

Background



This preview shows how black text looks on a background with the XYZ color 31.7417, 42.9750, 39.4229.



This preview shows how white text looks on a background with the XYZ color 31.7417, 42.9750,

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

31.7417, 42.9750, 39.4229

Protanopia

40.2504, 42.5737, 35.3743

Deuteranopia

43.2091, 42.2877, 41.0069



Tritanopia

35.9067, 42.7645, 60.3947

Trichromacy



Original Color

31.7417, 42.9750, 39.4229



Protanomaly

36.2545, 42.2447, 36.8151



Deuteranomaly

37.7728, 41.7663, 40.2533



Tritanomaly

34.0958, 42.6435, 51.7814

Monochromacy



Original Color

31.7417, 42.9750, 39.4229



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

33.3192, 38.6068, 39.8782

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7417, 42.9750, 39.4229 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(115, 190, 159)` looks like.

```
.text, #text, p{  
    color:rgb(115, 190, 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(115, 190, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 190, 159) }
```

Border

The CSS property to change the border of an element to XYZ 31.7417, 42.9750, 39.4229 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(115, 190, 159) }
```


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

```
.border{ border-color:rgb(115, 190, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 190, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 190, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 190, 159);  
box-shadow:4px 4px 4px 4px rgb(115, 190,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7417, 42.9750, 39.4229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 190, 159) }
```

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

```
.background{ background-color: rgb(115,  
190, 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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