

Converting Colors

XYZ(31.7917, 42.6803, 39.3634)

Have a look what the booklet for
XYZ(31.7917, 42.6803, 39.3634)
contains.

XYZ(31.7917, 42.6803, 39.3634)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.7917, 42.6803,
39.3634)**

Conversions

Conversions Part 1

Format	Color
Hex	75BD9F
RGB	117, 189, 159
RGB Percent	46%, 74%, 62%
CMY	0.5412, 0.2588, 0.3765
CMYK	0.38, 0.00, 0.16, 0.26
HSL	155°, 35%, 60%
HSV	155°, 38%, 74%
XYZ	31.7917, 42.6803, 39.3634
YIQ	164.0520, -33.2820, -24.5940

Conversions

Conversions Part 2

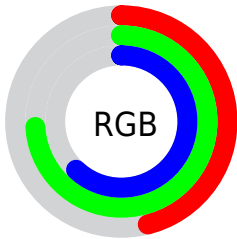
Format	Color
RYB	117, 162, 189
Decimal	7716255
CIELab	71.34, -29.38, 8.11
CIELCh	71, 30.473, 164.573
Yxy	42.6803, 0.2793, 0.3749
Android (android.graphics.Color)	4285906335 (0xFF75BD9F)
YUV	164.0520, -2.4906, -41.2646
Hunter-Lab	65.3302, -27.4641, 10.0071

Details

The XYZ color **31.7917, 42.6803, 39.3634** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.6154, 25.6490, 30.8371**, and the grayscale version is **35.3351, 37.1753, 40.4839**.

A 20% lighter version of the original color is **62.1066, 79.5372, 75.6972**, and **13.4851, 19.5006, 17.2406** is the 20% darker color. If you saturate the color by 10%, you get **28.8425, 41.2375, 35.7713**, and if you desaturate by 10%, it is **35.2995, 44.4083, 43.2108**.

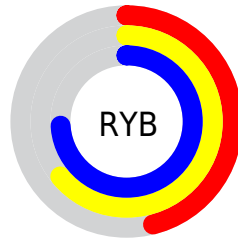
Distribution



Red (46%)

Green (74%)

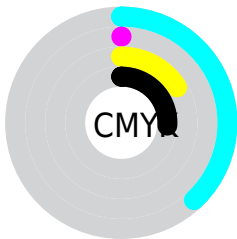
Blue (62%)



Red (46%)

Yellow (64%)

Blue (74%)

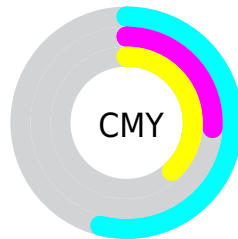


Cyan (38%)

Magenta (0%)

Yellow (16%)

Black (26%)



Cyan (54%)


Magenta (26%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7917, 42.6803, 39.3634 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 31.7917, 42.6803, 39.3634 by changing the saturation by 10% instead.


 31.7917, 42.6803,
39.3634


 31.7917, 42.6803,
39.3634


301.9315,
357.2954, 358.9050


 21.3572, 29.6344,
26.7325


 61.8518, 79.2282,
75.4196

 13.4993, 19.5612,
17.1418


 82.2081, 103.4989,
99.6820

 7.8526, 12.0765,
10.1726


 106.6025,
132.2801, 128.6587

 4.0518, 6.7958,
5.4065

135.4001,
165.9560, 162.7682

 1.7315, 3.3347,
2.4248

168.9665,
204.9111, 202.4290

 0.4759, 1.3089,
0.7999

207.6670,

 0.0000, 0.1481,

249.5297, 248.0597

0.0000

251.8668,
300.1964, 300.0789

■ 0.0000, 0.0000,
0.0000

■ 31.7917, 42.6803,
39.3634

■ 31.7917, 42.6803,
39.3634

■ 28.8425, 41.2375,
35.7713

■ 35.2995, 44.4083,
43.2108

■ 26.4165, 40.0584,
32.4260

■ 39.3916, 46.4312,
47.3161

■ 24.4797, 39.1267,
29.3223

■ 44.0964, 48.7648,
51.6854

■ 22.9923, 38.4218,
26.4541

■ 49.4391, 51.4219,
56.3239

■ 21.9078, 37.9200,
23.8145

■ 55.4437, 54.4149,
61.2365

■ 21.1541, 37.5842,
21.3955

■ 62.1329, 57.7553,
66.4279

■ 21.0264, 37.5280,
20.9583

■ 69.5281, 61.4542,
71.9028

■ 72.6239, 62.9310,
77.4304

■ 73.7046, 63.3632,
83.1211

Harmonies

Analogous

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



34.0378, 42.6803, 29.1317



31.7917, 42.6803, 39.3634



31.7594, 42.6803, 53.9382

Triad

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



31.7917, 42.6803, 39.3634



43.0959, 42.6803, 79.4746



47.9964, 42.6803, 29.3499

Complementary

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



31.7917, 42.6803, 39.3634



32.6154, 25.6490, 30.8371

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.



50.8672, 42.6803, 39.7279



31.7917, 42.6803, 39.3634



47.8804, 42.6803, 69.6061

Square

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



31.7917, 42.6803, 39.3634



38.0019, 42.6803, 79.3191



50.8230, 42.6803, 54.3878



43.2437, 42.6803, 24.2352

Rectangle

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



31.7917, 42.6803, 39.3634



32.9834, 42.6803, 64.3905



50.8230, 42.6803, 54.3878



49.2306, 42.6803, 32.2298

Sweetspot

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



31.7929, 42.6820, 39.3644



76.2580, 85.9859, 90.1033



33.6588, 43.9960, 23.5482



16.1498, 18.3673, 19.1469



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.



31.7929, 42.6820, 39.3644



52.3167, 74.1765, 64.9124



33.7049, 41.8219, 54.4422



9.6358, 10.7405, 11.3318



14.1854, 25.2644, 14.3051



0.5876, 1.0024, 0.7283

Inverse Universe

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



32.6154, 25.6490, 30.8371



54.0120, 39.1905, 47.4261



31.1334, 25.9742, 20.2028



9.6906, 9.6005, 10.7598



15.1000, 7.6712, 5.8202



0.6241, 0.3136, 0.4000

Previews

White Background



This preview shows how the XYZ color 31.7917, 42.6803, 39.3634 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 31.7917, 42.6803, 39.3634 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 31.7917, 42.6803, 39.3634

Background



This preview shows how black text looks on a background with the XYZ color 31.7917, 42.6803, 39.3634.

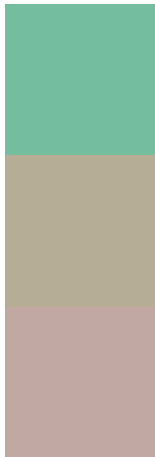


This preview shows how white text looks on a background with the XYZ color 31.7917, 42.6803,

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

31.7917, 42.6803, 39.3634

Protanopia

39.8209, 42.0666, 35.2990

Deuteranopia

42.8616, 42.1189, 40.5210



Tritanopia

35.9377, 42.7938, 59.7920

Trichromacy



Original Color

31.7917, 42.6803, 39.3634

Protanomaly

36.0534, 41.8424, 36.7480

Deuteranomaly

37.7728, 41.7663, 40.2533

Tritanomaly

34.3790, 42.7895, 51.7946

Monochromacy



Original Color

31.7917, 42.6803, 39.3634

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 31.7917, 42.6803, 39.3634 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(117, 189, 159)` looks like.

```
.text, #text, p{  
    color:rgb(117, 189, 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(117, 189, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 189, 159) }
```

Border

The CSS property to change the border of an element to XYZ 31.7917, 42.6803, 39.3634 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(117, 189, 159) }
```


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

```
.border{ border-color:rgb(117, 189, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 189, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 189, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 189, 159);  
box-shadow:4px 4px 4px 4px rgb(117, 189,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7917, 42.6803, 39.3634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 189, 159) }
```

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

```
.background{ background-color: rgb(117,  
189, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor