

Converting Colors

XYZ(31.4886, 42.3004, 38.8926)

Have a look what the booklet for
XYZ(31.4886, 42.3004, 38.8926)
contains.

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Color

**XYZ(31.3572, 42.1481,
38.8304)**

Conversions

Conversions Part 1

Format	Color
Hex	74BC9E
RGB	116, 188, 158
RGB Percent	45%, 74%, 62%
CMY	0.5451, 0.2627, 0.3804
CMYK	0.38, 0.00, 0.16, 0.26
HSL	155°, 35%, 60%
HSV	155°, 38%, 74%
XYZ	31.3572, 42.1481, 38.8304
YIQ	163.0520, -33.2820, -24.5940

Conversions

Conversions Part 2

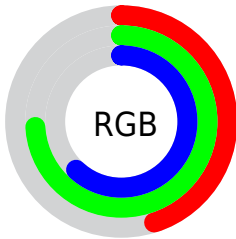
Format	Color
RYB	116, 161, 188
Decimal	7650462
CIELab	70.97, -29.39, 8.12
CIElCh	71, 30.495, 164.550
Yxy	42.1481, 0.2791, 0.3752
Android (android.graphics.Color)	4285840542 (0xFF74BC9E)
YUV	163.0520, -2.4906, -41.2646
Hunter-Lab	64.9216, -27.3970, 9.9830

Details

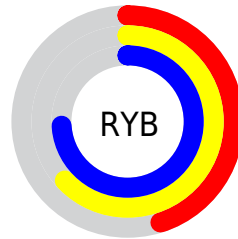
The XYZ color **31.3572, 42.1481, 38.8304** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.1741, 25.2584, 30.3753**, and the grayscale version is **34.8609, 36.6763, 39.9405**.

A 20% lighter version of the original color is **61.4572, 78.7668, 74.9152**, and **13.2288, 19.1685, 16.9126** is the 20% darker color. If you saturate the color by 10%, you get **28.4538, 40.7279, 35.2866**, and if you desaturate by 10%, it is **34.8117, 43.8496, 42.6263**.

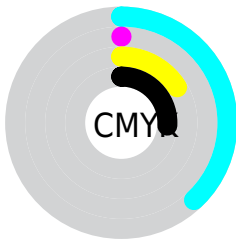
Distribution



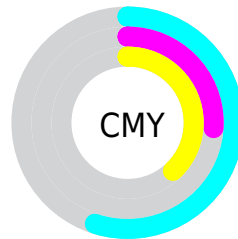
- Red (45%)
- Green (74%)
- Blue (62%)



- Red (45%)
- Yellow (63%)
- Blue (74%)



- Cyan (38%)
- Magenta (0%)
- Yellow (16%)
- Black (26%)





- Cyan (55%)
- Magenta (26%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3572, 42.1481, 38.8304 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 31.3572, 42.1481, 38.8304 by changing the saturation by 10% instead.


 31.3572, 42.1481,
38.8304


 31.3572, 42.1481,
38.8304


299.9782,
355.0965, 356.5733


 21.0242, 29.2173,
26.3210


 61.1740, 78.4237,
74.5966

 13.2542, 19.2452,
16.8360


 81.3885, 102.5373,
98.6906

 7.6820, 11.8476,
9.9569


 105.6276,
131.1473, 127.4831

 3.9423, 6.6400,
5.2652

134.2565,
164.6380, 161.3927

 1.6695, 3.2380,
2.3422

167.6407,
203.3939, 200.8380

 0.4371, 1.2572,
0.7547

206.1454,

 0.0000, 0.1077,

247.7993, 246.2375

0.0000

250.1361,
298.2387, 298.0098

■ 0.0000, 0.0000,
0.0000

■ 31.3572, 42.1481,
38.8304

■ 31.3572, 42.1481,
38.8304

■ 28.4538, 40.7279,
35.2866

■ 34.8117, 43.8496,
42.6263

■ 26.0664, 39.5678,
31.9862

■ 38.8426, 45.8422,
46.6767

■ 24.1615, 38.6515,
28.9245

■ 43.4780, 48.1412,
50.9878

■ 22.6995, 37.9590,
26.0951

■ 48.7429, 50.7595,
55.5646

■ 21.6346, 37.4665,
23.4914

■ 54.6610, 53.7092,
60.4119

■ 20.8932, 37.1363,
21.1053

■ 61.2545, 57.0018,
65.5345

■ 20.7803, 37.0865,
20.7196

■ 68.5450, 60.6481,
70.9369

■ 72.2315, 62.4310,
76.4213

■ 73.2980, 62.8576,
82.0372

Harmonies

Analogous

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



33.5862, 42.1481, 28.6917



31.3572, 42.1481, 38.8304



31.3235, 42.1481, 53.2914

Triad

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



31.3572, 42.1481, 38.8304



42.5671, 42.1481, 78.6763



47.4389, 42.1481, 28.9195

Complementary

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



31.3572, 42.1481, 38.8304



32.1741, 25.2584, 30.3753

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.



50.2876, 42.1481, 39.2115



31.3572, 42.1481, 38.8304



47.3175, 42.1481, 68.8756

Square

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



31.3572, 42.1481, 38.8304



37.5122, 42.1481, 78.5135



50.2414, 42.1481, 53.7619



42.7216, 42.1481, 23.8500

Rectangle

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



31.3572, 42.1481, 38.8304



32.5361, 42.1481, 63.6722



50.2414, 42.1481, 53.7619



48.6639, 42.1481, 31.7746

Sweetspot

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



31.3584, 42.1498, 38.8314



76.2580, 85.9859, 90.1032



33.2055, 43.4508, 23.1602



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.



31.3584, 42.1498, 38.8314



52.3167, 74.1765, 64.9123



33.2557, 41.2951, 53.7971



9.6358, 10.7405, 11.3318



14.1854, 25.2644, 14.3050



0.5876, 1.0024, 0.7283

Inverse Universe

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



32.1741, 25.2584, 30.3753



54.0120, 39.1905, 47.4262



30.7057, 25.5794, 19.8424



9.6906, 9.6005, 10.7598



15.1000, 7.6712, 5.8203



0.6241, 0.3136, 0.4000

Previews

White Background



This preview shows how the XYZ color 31.3572, 42.1481, 38.8304 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 31.3572, 42.1481, 38.8304 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

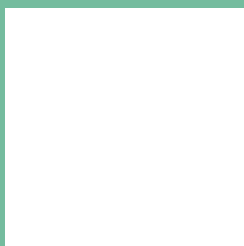
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3572, 42.1481, 38.8304

Background



This preview shows how black text looks on a background with the XYZ color 31.3572, 42.1481, 38.8304.

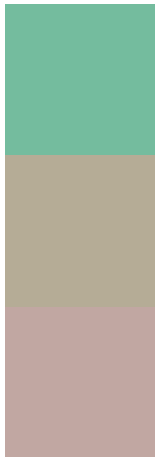


This preview shows how white text looks on a background with the XYZ color 31.3572, 42.1481,

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

31.3572, 42.1481, 38.8304

Protanopia

39.3136, 41.5308, 34.7984

Deuteranopia

42.3326, 41.5835, 39.9777



Tritanopia

35.4690, 42.2582, 59.1106

Trichromacy



Original Color

31.3572, 42.1481, 38.8304

Protanomaly

35.5748, 41.3088, 36.2354

Deuteranomaly

37.2800, 41.2325, 39.7120

Tritanomaly

33.9222, 42.2544, 51.1678

Monochromacy



Original Color

31.3572, 42.1481, 38.8304

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.0396, 38.1892, 39.3481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3572, 42.1481, 38.8304 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(116, 188, 158)` looks like.

```
.text, #text, p{  
    color:rgb(116, 188, 158)  
}
```

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(116, 188, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 188, 158) }
```

Border

The CSS property to change the border of an element to XYZ 31.3572, 42.1481, 38.8304 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(116, 188, 158) }
```


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

```
.border{ border-color:rgb(116, 188, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 188, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 188, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 188, 158);  
box-shadow:4px 4px 4px 4px rgb(116, 188,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3572, 42.1481, 38.8304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 188, 158) }
```

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

```
.background{ background-color: rgb(116,  
188, 158) }
```

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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