

Converting Colors

XYZ(31.5814, 42.9258, 39.1363)

Have a look what the booklet for
XYZ(31.5814, 42.9258, 39.1363)
contains.

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Color

**XYZ(31.5244, 42.8729,
38.9615)**

Conversions

Conversions Part 1

Format	Color
Hex	72BE9E
RGB	114, 190, 158
RGB Percent	45%, 75%, 62%
CMY	0.5529, 0.2549, 0.3804
CMYK	0.40, 0.00, 0.17, 0.25
HSL	155°, 37%, 60%
HSV	155°, 40%, 75%
XYZ	31.5244, 42.8729, 38.9615
YIQ	163.6280, -35.0240, -26.0640

Conversions

Conversions Part 2

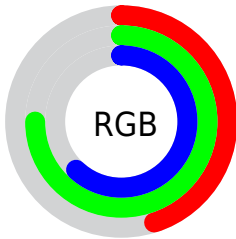
Format	Color
RYB	114, 162, 190
Decimal	7519902
CIELab	71.47, -30.92, 8.82
CIELCh	71, 32.149, 164.079
Yxy	42.8729, 0.2781, 0.3782
Android (android.graphics.Color)	4285709982 (0xFF72BE9E)
YUV	163.6280, -2.7746, -43.5238
Hunter-Lab	65.4774, -28.6458, 10.5544

Details

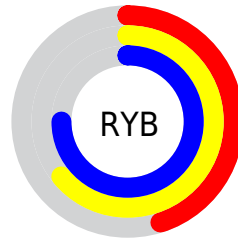
The XYZ color **31.5244, 42.8729, 38.9615** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.4422, 25.0581, 30.3226**, and the grayscale version is **35.1354, 36.9652, 40.2551**.

A 20% lighter version of the original color is **61.6332, 79.7606, 75.0977**, and **13.3215, 19.6305, 16.9969** is the 20% darker color. If you saturate the color by 10%, you get **28.6388, 41.4635, 35.3484**, and if you desaturate by 10%, it is **34.9706, 44.5684, 42.8368**.

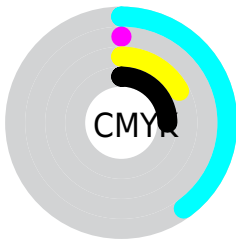
Distribution



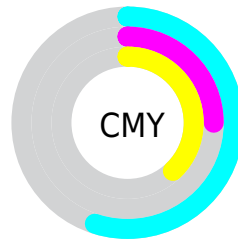
- Red (45%)
- Green (75%)
- Blue (62%)



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



- Cyan (40%)
- Magenta (0%)
- Yellow (17%)
- Black (25%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5244, 42.8729, 38.9615 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 31.5244, 42.8729, 38.9615 by changing the saturation by 10% instead.


 31.5244, 42.8729,
38.9615


 31.5244, 42.8729,
38.9615


300.7309,
358.0888, 357.1479


 21.1523, 29.7854,
26.4222

 61.4350, 79.5190,
74.7992

 13.3484, 19.6758,
16.9111

 81.7042, 103.8464,
98.9346

 7.7476, 12.1596,
10.0099

 106.0031,
132.6893, 127.7726

 3.9843, 6.8524,
5.2998

134.6971,
166.4320, 161.7315

 1.6933, 3.3700,
2.3624

168.1515,
205.4589, 201.2299

 0.4520, 1.3278,
0.7659

206.7317,

 0.0000, 0.1626,

250.1544, 246.6864

0.0000

250.8031,
300.9029, 298.5196

■ 0.0000, 0.0000,
0.0000

■ 31.5244, 42.8729,
38.9615

■ 31.5244, 42.8729,
38.9615

■ 28.6388, 41.4635,
35.3484

■ 34.9706, 44.5684,
42.8368

■ 26.2773, 40.3180,
31.9886

■ 39.0038, 46.5602,
46.9769

■ 24.4047, 39.4195,
28.8767


■ 43.6533, 48.8642,
51.3885


■ 22.9794, 38.7469,
26.0062


■ 48.9449, 51.4939,
56.0768


■ 21.9527, 38.2749,
23.3700


■ 54.9032, 54.4617,
61.0469

 21.2286, 37.9542,
20.9585

 61.5515, 57.7795,
66.3038

 68.9118, 61.4587,
71.8523

 72.8398, 63.3627,
77.5022

 73.9380, 63.8019,
83.2853

Harmonies

Analogous

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



33.9193, 42.8729, 28.3511



31.5244, 42.8729, 38.9615



31.4514, 42.8729, 54.3271

Triad

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



31.5244, 42.8729, 38.9615



43.3383, 42.8729, 82.0398



48.7062, 42.8729, 28.8405

Complementary

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



31.5244, 42.8729, 38.9615



32.4422, 25.0581, 30.3226

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.



51.7201, 42.8729, 39.7888



31.5244, 42.8729, 38.9615



48.4399, 42.8729, 71.5805

Square

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



31.5244, 42.8729, 38.9615



37.9563, 42.8729, 81.6787



51.6185, 42.8729, 55.3589



43.6763, 42.8729, 23.4551

Rectangle

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



31.5244, 42.8729, 38.9615



32.7107, 42.8729, 65.4880



51.6185, 42.8729, 55.3589



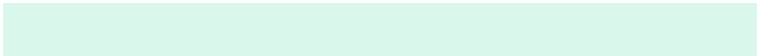
50.0077, 42.8729, 31.8712

Sweetspot

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



31.5256, 42.8746, 38.9625



77.1561, 87.5797, 91.3230



33.4727, 44.2405, 22.6952



16.6911, 19.1069, 19.8186



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.



31.5256, 42.8746, 38.9625



52.4829, 75.4210, 64.8297



33.5701, 41.9669, 55.0483



9.6341, 10.7397, 11.3225



14.1551, 25.2523, 14.1457



0.5865, 1.0020, 0.7226

Inverse Universe

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



32.4422, 25.0581, 30.3226



54.3797, 38.6781, 47.0434



30.8785, 25.3726, 19.1901



9.6923, 9.6012, 10.7689



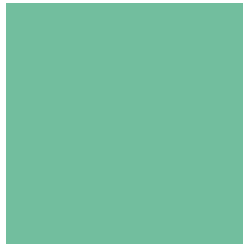
15.1205, 7.6794, 5.9283



0.6250, 0.3139, 0.4045

Previews

White Background



This preview shows how the XYZ color 31.5244, 42.8729, 38.9615 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 31.5244, 42.8729, 38.9615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

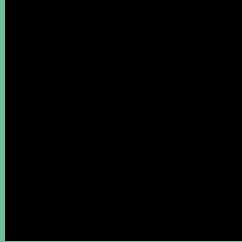
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.5244, 42.8729, 38.9615

Background



This preview shows how black text looks on a background with the XYZ color 31.5244, 42.8729, 38.9615.



This preview shows how white text looks on a background with the XYZ color 31.5244, 42.8729,

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

31.5244, 42.8729, 38.9615

Protanopia

40.1695, 42.5414, 34.9483

Deuteranopia

43.1192, 42.2517, 40.5331



Tritanopia

35.7615, 42.6896, 60.3879

Trichromacy



Original Color

31.5244, 42.8729, 38.9615

Protanomaly

36.1716, 42.2115, 36.3782

Deuteranomaly

37.6842, 41.7309, 39.7869

Tritanomaly

33.9564, 42.5716, 51.7748

Monochromacy



Original Color

31.5244, 42.8729, 38.9615

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 31.5244, 42.8729, 38.9615 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(114, 190, 158)` looks like.

```
.text, #text, p{  
    color:rgb(114, 190, 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(114, 190, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 190, 158) }
```

Border

The CSS property to change the border of an element to XYZ 31.5244, 42.8729, 38.9615 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(114, 190, 158) }
```


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

```
.border{ border-color:rgb(114, 190, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 190, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 190, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 190, 158);  
box-shadow:4px 4px 4px 4px rgb(114, 190,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5244, 42.8729, 38.9615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 190, 158) }
```

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

```
.background{ background-color: rgb(114,  
190, 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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