

Converting Colors

XYZ(32.1274, 43.2107, 37.9063)

Have a look what the booklet for
XYZ(32.1274, 43.2107, 37.9063)
contains.

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Color

**XYZ(32.1599, 43.2203,
38.0998)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 78BE9C |
| RGB | 120, 190, 156 |
| RGB Percent | 47%, 75%, 61% |
| CMY | 0.5294, 0.2549, 0.3882 |
| CMYK | 0.37, 0.00, 0.18, 0.25 |
| HSL | 151°, 35%, 61% |
| HSV | 151°, 37%, 75% |
| XYZ | 32.1599, 43.2203, 38.0998 |
| YIQ | 165.1940, -30.8060, -25.4140 |

Conversions

Conversions Part 2

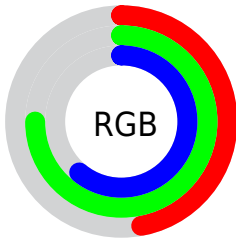
| Format | Color |
|-------------------------------------|---|
| RYB | 120, 166, 190 |
| Decimal | 7913116 |
| CIELab | 71.70, -29.62, 10.28 |
| CIElCh | 72, 31.355, 160.862 |
| Yxy | 43.2203, 0.2834, 0.3809 |
| Android (android.graphics.Color) | 4286103196 (0xFF78BE9C) |
| YUV | 165.1940, -4.5326, -39.6351 |
| Hunter-Lab | 65.7421, -27.7297, 11.6589 |

Details

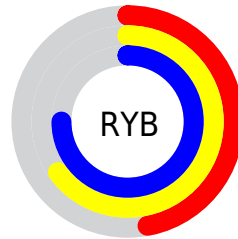
The XYZ color **32.1599, 43.2203, 38.0998** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.7858, 26.7141, 33.9491**, and the grayscale version is **35.8899, 37.7589, 41.1195**.

A 20% lighter version of the original color is **62.6978, 80.3386, 73.8304**, and **13.6687, 19.8215, 16.4701** is the 20% darker color. If you saturate the color by 10%, you get **29.0298, 41.6948, 34.0281**, and if you desaturate by 10%, it is **35.8746, 45.0427, 42.5108**.

Distribution



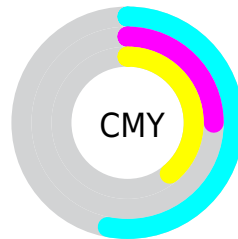
- Red (47%)
- Green (75%)
- Blue (61%)



- Red (47%)
- Yellow (65%)
- Blue (75%)



- Cyan (37%)
- Magenta (0%)
- Yellow (18%)
- Black (25%)





- Cyan (53%)
- Magenta (25%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.1599, 43.2203, 38.0998 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 32.1599, 43.2203, 38.0998 by changing the saturation by 10% instead.

 32.1599, 43.2203,
38.0998


 32.1599, 43.2203,
38.0998


303.5794,
359.5170, 353.3589


 21.6398, 30.0580,
25.7577


 62.4252, 80.0432,
73.4662

 13.7076, 19.8826,
16.4183


 82.9011, 104.4726,
97.3276

 7.9979, 12.3097,
9.6631


 107.4263,
133.4265, 125.8659

 4.1454, 6.9550,
5.0735

136.3661,
167.2892, 159.4995

 1.7847, 3.4340,
2.2310

170.0860,
206.4453, 198.6471

 0.5084, 1.3623,
0.6921

208.9513,

 0.0000, 0.1887,

251.2790, 243.7272

0.0000

253.3273,
302.1747, 295.1583

■ 0.0000, 0.0000,
0.0000

■ 32.1599, 43.2203,
38.0998

■ 32.1599, 43.2203,
38.0998

■ 29.0298, 41.6948,
34.0281

■ 35.8746, 45.0427,
42.5108

■ 26.4485, 40.4442,
30.2843

■ 40.2001, 47.1718,
47.2660

■ 24.3812, 39.4521,
26.8607


■ 45.1654, 49.6236,
52.3743


■ 22.7879, 38.6980,
23.7480


■ 50.7965, 52.4113,
57.8431


■ 21.6218, 38.1579,
20.9364


■ 57.1177, 55.5474,
63.6796


 20.8201, 37.7996,
18.4150

 64.1522, 59.0436,
69.8908

 20.6054, 37.7050,
17.6762

 71.9223, 62.9114,
76.4834

 73.9139, 63.7924,
83.1583

 75.2436, 64.3243,
90.1603

Harmonies

Analogous

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



34.7486, 43.2203, 28.2105



32.1599, 43.2203, 38.0998



31.8367, 43.2203, 52.7942

Triad

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



32.1599, 43.2203, 38.0998



43.0360, 43.2203, 82.0607



49.3051, 43.2203, 30.3883

Complementary

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



32.1599, 43.2203, 38.0998



33.7858, 26.7141, 33.9491

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.



51.9579, 43.2203, 41.7560



32.1599, 43.2203, 38.0998



48.1363, 43.2203, 72.8524

Square

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



32.1599, 43.2203, 38.0998



37.8188, 43.2203, 80.4866



51.5126, 43.2203, 57.3242



44.5227, 43.2203, 24.4676

Rectangle

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



32.1599, 43.2203, 38.0998



32.9152, 43.2203, 63.7299



51.5126, 43.2203, 57.3242



50.4934, 43.2203, 33.5837

Sweetspot

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



32.1611, 43.2221, 38.1008



77.7965, 87.9218, 90.8132



35.3226, 45.1535, 24.6236



16.8123, 19.1730, 19.6628



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.



32.1611, 43.2221, 38.1008



53.7270, 76.1001, 63.1826



35.4549, 44.5396, 55.4457



9.6081, 10.7293, 11.1855



13.7406, 25.0865, 11.9629



0.5712, 0.9958, 0.6421

Inverse Universe

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



33.7858, 26.7141, 33.9491



57.0899, 41.9416, 54.5963



31.3430, 25.7370, 21.0855



9.7180, 9.6115, 10.9042



15.4525, 7.8122, 7.6766



0.6384, 0.3192, 0.4748

Previews

White Background



This preview shows how the XYZ color 32.1599, 43.2203, 38.0998 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 32.1599, 43.2203, 38.0998 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 32.1599, 43.2203, 38.0998

Background



This preview shows how black text looks on a background with the XYZ color 32.1599, 43.2203, 38.0998.



This preview shows how white text looks on a background with the XYZ color 32.1599, 43.2203,

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

32.1599, 43.2203, 38.0998

Protanopia

40.2485, 42.6006, 34.1184

Deuteranopia

43.6469, 42.8195, 39.6828



Tritanopia

36.6552, 43.1503, 60.4297

Trichromacy



Original Color

32.1599, 43.2203, 38.0998

Protanomaly

36.6051, 42.4539, 35.5433

Deuteranomaly

38.3423, 42.3825, 38.9607

Tritanomaly

34.7103, 42.9723, 51.2648

Monochromacy



Original Color

32.1599, 43.2203, 38.0998

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.0521, 39.2703, 39.9676

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1599, 43.2203, 38.0998 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(120, 190, 156)` looks like.

```
.text, #text, p{  
    color:rgb(120, 190, 156)  
}
```

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(120, 190, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 190, 156) }
```

Border

The CSS property to change the border of an element to XYZ 32.1599, 43.2203, 38.0998 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(120, 190, 156) }
```


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

```
.border{ border-color:rgb(120, 190, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 190, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 190, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 190, 156); box-shadow:4px 4px 4px 4px rgb(120, 190, 156) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1599, 43.2203, 38.0998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 190, 156) }
```

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

```
.background{ background-color: rgb(120,  
190, 156) }
```

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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