

Converting Colors

XYZ(38.8762, 33.8148, 59.1314)

Have a look what the booklet for
XYZ(38.8762, 33.8148, 59.1314)
contains.

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Color

**XYZ(38.9108, 33.8859,
59.1334)**

Conversions

Conversions Part 1

Format	Color
Hex	B291C8
RGB	178, 145, 200
RGB Percent	70%, 57%, 78%
CMY	0.3020, 0.4314, 0.2157
CMYK	0.11, 0.27, 0.00, 0.22
HSL	276°, 33%, 68%
HSV	276°, 27%, 78%
XYZ	38.9108, 33.8859, 59.1334
YIQ	161.1370, 2.0130, 24.1010

Conversions

Conversions Part 2

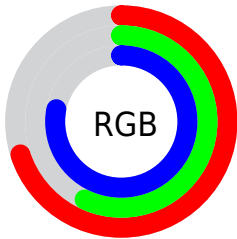
Format	Color
R _Y B	178, 145, 200
Decimal	11702728
CIE Lab	64.87, 22.68, -23.74
CIE LCh	65, 32.831, 313.686
Yxy	33.8859, 0.2949, 0.2568
Android (android.graphics.Color)	4289892808 (0xFFB291C8)
YUV	161.1370, 19.1595, 14.7889
Hunter-Lab	58.2116, 17.4458, -19.4808

Details

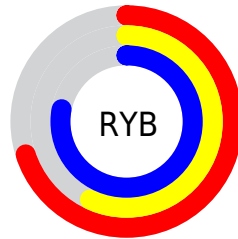
The XYZ color **38.9108, 33.8859, 59.1334** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.7026, 51.5692, 34.5455**, and the grayscale version is **33.8539, 35.6170, 38.7869**.

A 20% lighter version of the original color is **72.4051, 65.5593, 103.4458**, and **17.6485, 14.4407, 29.0513** is the 20% darker color. If you saturate the color by 10%, you get **34.3374, 27.3846, 58.1201**, and if you desaturate by 10%, it is **44.1314, 41.5212, 60.3325**.

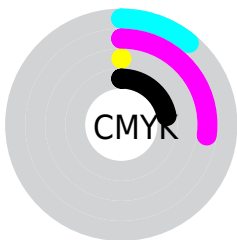
Distribution



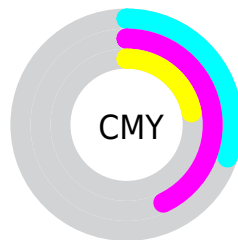
- Red (70%)
- Green (57%)
- Blue (78%)



- Red (70%)
- Yellow (57%)
- Blue (78%)



- Cyan (11%)
- Magenta (27%)
- Yellow (0%)
- Black (22%)



- Cyan (30%)
- Magenta (43%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9108, 33.8859, 59.1334 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 38.9108, 33.8859, 59.1334 by changing the saturation by 10% instead.

■ 38.9108, 33.8859,
59.1334

■ 38.9108, 33.8859,
59.1334

332.7248,
319.6230, 439.1117

■ 26.8708, 22.8060,
42.2998

■ 72.7970, 65.7562,
105.1026

■ 17.6123, 14.4503,
29.0088

■ 95.3738, 87.3153,
135.0752

■ 10.7700, 8.4345,
18.8418

122.1936,
113.1363, 170.2646

■ 5.9785, 4.3742,
11.3804

153.6218,
143.6036, 211.0892

■ 2.8726, 1.8850,
6.2059

190.0236,
179.1015, 257.9678

■ 1.0867, 0.5393,
2.8999

231.7645,

■ 0.0140, 0.0000,

220.0144, 311.3187

1.0437

279.2098,
266.7268, 371.5605

■ 0.0000, 0.0000,
0.0000

■ 38.9108, 33.8859,
59.1334

■ 38.9108, 33.8859,
59.1334

■ 34.3374, 27.3846,
58.1201

■ 44.1314, 41.5212,
60.3325

■ 30.3779, 21.9556,
57.2809

■ 50.0239, 50.3394,
61.7241

■ 27.0008, 17.5379,
56.6062

■ 56.6155, 60.3917,
63.3169

■ 24.1701, 14.0622,
56.0845

■ 63.9308, 71.7249,
65.1189

■ 21.8453, 11.4505,
55.7029

■ 71.9934, 84.3834,
67.1373

■ 19.9791, 9.6114,
55.4463

■ 77.5503, 91.8594,
68.2874

■ 18.5058, 8.4164,
55.2933

■ 80.1181, 93.1831,
68.4076

■ 18.1710, 8.1632,
55.2620

■ 82.8045, 94.5680,
68.5333

■ 85.6110, 96.0148,
68.6646

Harmonies

Analogous

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



34.4090, 33.8859, 68.4527



38.9108, 33.8859, 59.1334



41.7545, 33.8859, 44.7117

Triad

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



38.9108, 33.8859, 59.1334



34.8320, 33.8859, 17.1098



24.1502, 33.8859, 43.4122

Complementary

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



38.9108, 33.8859, 59.1334



41.7026, 51.5692, 34.5455

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.



24.2395, 33.8859, 30.0487



38.9108, 33.8859, 59.1334



30.1020, 33.8859, 16.9251

Square

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



38.9108, 33.8859, 59.1334



39.2465, 33.8859, 21.6636



26.3220, 33.8859, 21.0764



26.0649, 33.8859, 57.9835

Rectangle

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



38.9108, 33.8859, 59.1334



42.1691, 33.8859, 35.2457



26.3220, 33.8859, 21.0764



23.9530, 33.8859, 38.5970

Sweetspot

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



38.9119, 33.8873, 59.1341



85.9452, 86.1529, 106.7071



36.0909, 38.1657, 60.1086



18.0485, 17.9167, 22.7570



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



38.9119, 33.8873, 59.1341



62.5068, 51.7146, 101.2952



43.8433, 36.4905, 56.6104



10.6567, 10.5968, 13.4012



11.6570, 5.2437, 35.1421



0.6321, 0.2896, 1.6677

Inverse Universe

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



40.9210, 35.3216, 41.2217



66.7350, 54.7134, 64.4918



37.8040, 49.5178, 36.2455



10.8067, 10.7061, 11.9654



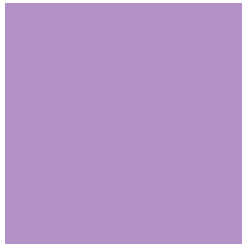
16.1076, 8.1926, 5.7762



0.7983, 0.4022, 0.4611

Previews

White Background



This preview shows how the XYZ color 38.9108, 33.8859, 59.1334 looks on a white background.

Color Contrast Check

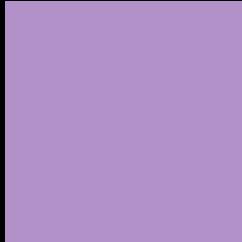
Large Text (above 18pt) WCAG AA × Fail

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 38.9108, 33.8859, 59.1334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

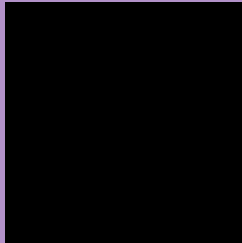
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.9108, 33.8859, 59.1334

Background



This preview shows how black text looks on a background with the XYZ color 38.9108, 33.8859, 59.1334.



This preview shows how white text looks on a background with the XYZ color 38.9108, 33.8859,

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

38.9108, 33.8859, 59.1334

Protanopia

34.6013, 34.1706, 64.4464

Deuteranopia

34.6975, 33.8638, 58.1337



Tritanopia

34.9423, 33.9075, 39.8251

Trichromacy



Original Color

38.9108, 33.8859, 59.1334

Protanomaly

35.9580, 33.9322, 62.4120

Deuteranomaly

36.0734, 33.8338, 58.6621

Tritanomaly

36.1388, 33.6679, 46.1888

Monochromacy



Original Color

38.9108, 33.8859, 59.1334

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

35.3956, 34.7533, 45.4000

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9108, 33.8859, 59.1334 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(178, 145, 200)` looks like.

```
.text, #text, p{  
    color:rgb(178, 145, 200)  
}
```

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(178, 145, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 145, 200) }
```

Border

The CSS property to change the border of an element to XYZ 38.9108, 33.8859, 59.1334 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(178, 145, 200) }
```


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

```
.border{ border-color:rgb(178, 145, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 145, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 145, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 145, 200);  
box-shadow:4px 4px 4px 4px rgb(178, 145,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9108, 33.8859, 59.1334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 145, 200) }
```

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

```
.background{ background-color: rgb(178,  
145, 200) }
```

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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