

Converting Colors

XYZ(37.9962, 33.1148, 63.4210)

Have a look what the booklet for
XYZ(37.9962, 33.1148, 63.4210)
contains.

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Color

**XYZ(38.0303, 33.1094,
63.4178)**

Conversions

Conversions Part 1

Format	Color
Hex	AB90CF
RGB	171, 144, 207
RGB Percent	67%, 56%, 81%
CMY	0.3294, 0.4353, 0.1882
CMYK	0.17, 0.30, 0.00, 0.19
HSL	266°, 40%, 69%
HSV	266°, 30%, 81%
XYZ	38.0303, 33.1094, 63.4178
YIQ	159.2550, -4.1310, 25.3170

Conversions

Conversions Part 2

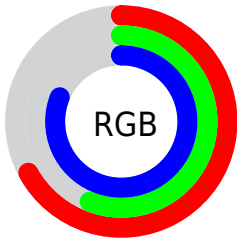
Format	Color
RYB	171, 144, 207
Decimal	11243727
CIELab	64.25, 22.54, -28.66
CIELCh	64, 36.463, 308.177
Yxy	33.1094, 0.2826, 0.2461
Android (android.graphics.Color)	4289433807 (0xFFAB90CF)
YUV	159.2550, 23.5383, 10.3004
Hunter-Lab	57.5408, 17.2793, -25.0672

Details

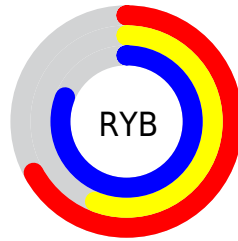
The XYZ color **38.0303, 33.1094, 63.4178** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **46.1702, 56.3433, 34.8289**, and the grayscale version is **32.9692, 34.6862, 37.7732**.

A 20% lighter version of the original color is **69.9226, 63.9391, 103.2639**, and **17.0531, 13.9473, 31.4991** is the 20% darker color. If you saturate the color by 10%, you get **32.7157, 26.1350, 62.3523**, and if you desaturate by 10%, it is **44.1525, 41.3550, 64.6872**.

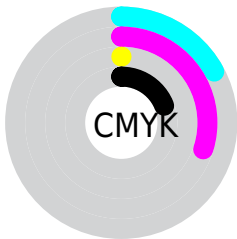
Distribution



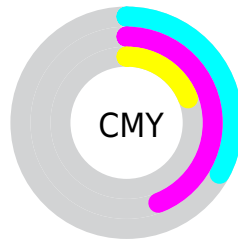
- Red (67%)
- Green (56%)
- Blue (81%)



- Red (67%)
- Yellow (56%)
- Blue (81%)



- Cyan (17%)
- Magenta (30%)
- Yellow (0%)
- Black (19%)



- Cyan (33%)
- Magenta (44%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0303, 33.1094, 63.4178 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 38.0303, 33.1094, 63.4178 by changing the saturation by 10% instead.

■ 38.0303, 33.1094,
63.4178

■ 38.0303, 33.1094,
63.4178

329.0285,
316.1424, 455.2338

■ 26.1835, 22.2103,
45.7361

■ 71.4582, 64.5463,
111.3634

■ 17.0944, 14.0115,
31.6905

■ 93.7700, 85.8528,
142.4645

■ 10.3975, 8.1287,
20.8623

120.3009,
111.3973, 178.8757

■ 5.7276, 4.1774,
12.8331

151.4161,
141.5641, 221.0157

■ 2.7192, 1.7733,
7.1844

187.4812,
176.7376, 269.3029

■ 1.0071, 0.4704,
3.4975

228.8614,

■ 0.0000, 0.0000,

217.3022, 324.1560

1.3539

275.9220,
263.6424, 385.9935

■ 0.0000, 0.0000,
0.1054

■ 0.0000, 0.0000,
0.0000

■ 38.0303, 33.1094,
63.4178

■ 38.0303, 33.1094,
63.4178

■ 32.7157, 26.1350,
62.3523

■ 44.1525, 41.3550,
64.6872

■ 28.1680, 20.3618,
61.4776

■ 51.1139, 50.9289,
66.1683

■ 24.3475, 15.7188,
60.7828

■ 58.9482, 61.8894,
67.8709

■ 21.2092, 12.1261,
60.2547

■ 67.6863, 74.2903,
69.8040

■ 18.7025, 9.4922,
59.8784

■ 77.3575, 88.1823,
71.9757

■ 16.7681, 7.7094,
59.6363

■ 83.6317, 94.8977,
72.9412

■ 15.3550, 6.6147,
59.4995

■ 87.8236, 97.0587,
73.1374

■ 88.2626, 97.2850,
73.1580

Harmonies

Analogous

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



32.9064, 33.1094, 72.2616



38.0303, 33.1094, 63.4178



41.6419, 33.1094, 47.7174

Triad

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



38.0303, 33.1094, 63.4178



35.3158, 33.1094, 15.5366



22.6108, 33.1094, 40.2584

Complementary

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



38.0303, 33.1094, 63.4178



46.1702, 56.3433, 34.8289

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.



23.1053, 33.1094, 26.4595



38.0303, 33.1094, 63.4178



30.0750, 33.1094, 14.5579

Square

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



38.0303, 33.1094, 63.4178



39.9589, 33.1094, 21.1474



25.7103, 33.1094, 17.9664



24.2766, 33.1094, 56.6928

Rectangle

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



38.0303, 33.1094, 63.4178



42.5013, 33.1094, 36.9646



25.7103, 33.1094, 17.9664



22.5338, 33.1094, 35.1516

Sweetspot

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



38.0314, 33.1108, 63.4185



83.4994, 83.8184, 106.3854



39.2383, 43.3816, 65.3374



17.4963, 17.4183, 22.6899



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.



38.0314, 33.1108, 63.4185



54.8441, 45.0169, 100.4063



45.5262, 36.9745, 63.7693



11.6372, 11.6618, 14.8813



9.7779, 4.2210, 37.4919



0.6367, 0.2824, 2.1005

Inverse Universe

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



43.9446, 36.5085, 47.9119



66.1337, 51.5115, 70.4542



39.7880, 53.0532, 34.5302



12.0877, 11.9198, 13.7379



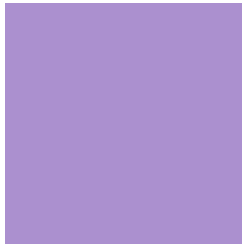
18.3317, 9.2055, 11.9186



1.0643, 0.5304, 0.8735

Previews

White Background



This preview shows how the XYZ color 38.0303, 33.1094, 63.4178 looks on a white background.

Color Contrast Check

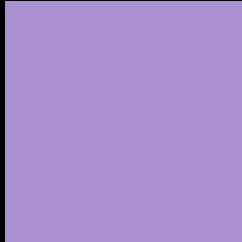
Large Text (above 18pt) WCAG AA × Fail

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 38.0303, 33.1094, 63.4178 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 38.0303, 33.1094, 63.4178

Background



This preview shows how black text looks on a background with the XYZ color 38.0303, 33.1094, 63.4178.



This preview shows how white text looks on a background with the XYZ color 38.0303, 33.1094,

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

38.0303, 33.1094, 63.4178

Protanopia

34.1744, 33.3695, 68.2581

Deuteranopia

33.9123, 33.1195, 62.3629



Tritanopia

33.2389, 33.0293, 39.7454

Trichromacy



Original Color

38.0303, 33.1094, 63.4178

Protanomaly

35.2419, 32.9999, 66.1402

Deuteranomaly

35.3734, 33.1389, 62.9246

Tritanomaly

34.9220, 33.0057, 47.7102

Monochromacy



Original Color

38.0303, 33.1094, 63.4178

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

34.4963, 34.0323, 45.8250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0303, 33.1094, 63.4178 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(171, 144, 207)` looks like.

```
.text, #text, p{  
    color:rgb(171, 144, 207)  
}
```

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(171, 144, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 144, 207) }
```

Border

The CSS property to change the border of an element to XYZ 38.0303, 33.1094, 63.4178 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(171, 144, 207) }
```


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

```
.border{ border-color:rgb(171, 144, 207) }
```

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

Here you see how a box with a 4 pixel rgb(171, 144, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 144, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 144, 207);  
box-shadow:4px 4px 4px 4px rgb(171, 144,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0303, 33.1094, 63.4178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 144, 207) }
```

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

```
.background{ background-color: rgb(171,  
144, 207) }
```

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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