

Converting Colors

XYZ(39.8896, 33.7436, 63.1542)

Have a look what the booklet for
XYZ(39.8896, 33.7436, 63.1542)
contains.

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Color

**XYZ(39.9073, 33.8532,
63.4625)**

Conversions

Conversions Part 1

Format	Color
Hex	B48FCF
RGB	180, 143, 207
RGB Percent	71%, 56%, 81%
CMY	0.2941, 0.4392, 0.1882
CMYK	0.13, 0.31, 0.00, 0.19
HSL	275°, 40%, 69%
HSV	275°, 31%, 81%
XYZ	39.9073, 33.8532, 63.4625
YIQ	161.3590, 1.5080, 27.7480

Conversions

Conversions Part 2

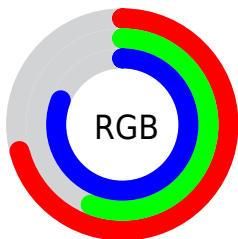
Format	Color
RYB	180, 143, 207
Decimal	11833295
CIELab	64.85, 25.93, -27.67
CIELCh	65, 37.925, 313.137
Yxy	33.8532, 0.2908, 0.2467
Android (android.graphics.Color)	4290023375 (0xFFB48FCF)
YUV	161.3590, 22.5010, 16.3482
Hunter-Lab	58.1835, 20.6097, -23.9409

Details

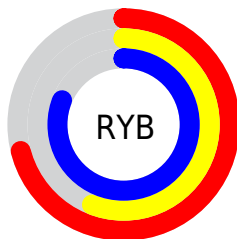
The XYZ color **39.9073, 33.8532, 63.4625** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.8495, 55.1558, 34.3231**, and the grayscale version is **33.9422, 35.7099, 38.8881**.

A 20% lighter version of the original color is **72.6083, 64.9854, 103.3243**, and **18.0988, 14.3569, 31.5230** is the 20% darker color. If you saturate the color by 10%, you get **35.1127, 27.1870, 62.4290**, and if you desaturate by 10%, it is **45.4056, 41.7350, 64.6946**.

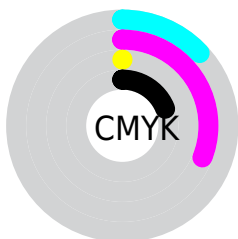
Distribution



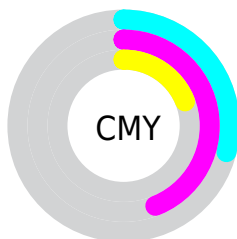
- Red (71%)
- Green (56%)
- Blue (81%)



- Red (71%)
- Yellow (56%)
- Blue (81%)



- Cyan (13%)
- Magenta (31%)
- Yellow (0%)
- Black (19%)



- Cyan (29%)
- Magenta (44%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9073, 33.8532, 63.4625 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 39.9073, 33.8532, 63.4625 by changing the saturation by 10% instead.

■ 39.9073, 33.8532,
63.4625

■ 39.9073, 33.8532,
63.4625

336.8738,
319.4770, 455.4001

■ 27.6502, 22.7808,
45.7721

■ 74.3076, 65.7053,
111.4285

■ 18.2012, 14.4318,
31.7186

■ 97.1814, 87.2539,
142.5411

■ 11.1951, 8.4216,
20.8836

124.3249,
113.0633, 178.9649

■ 6.2665, 4.3659,
12.8486

156.1033,
143.5179, 221.1184

■ 3.0500, 1.8803,
7.1948

192.8821,
179.0022, 269.4202

■ 1.1803, 0.5365,
3.5040

235.0265,

■ 0.0907, 0.0000,

219.9006, 324.2886

1.3574

282.9020,
266.5974, 386.1425

■ 0.0000, 0.0000,
0.1081

■ 0.0000, 0.0000,
0.0000

■ 39.9073, 33.8532,
63.4625

■ 39.9073, 33.8532,
63.4625

■ 35.1127, 27.1870,
62.4290

■ 45.4056, 41.7350,
64.6946

■ 30.9845, 21.6677,
61.5813

■ 51.6358, 50.8877,
66.1329

■ 27.4868, 17.2263,
60.9083

■ 58.6282, 61.3681,
67.7872

■ 24.5785, 13.7842,
60.3972

■ 66.4106, 73.2284,
69.6663

22.2129, 11.2518,
60.0331

75.0092, 86.5179,
71.7783

20.3347, 9.5227,
59.7984

80.4312, 93.2478,
72.7915

18.9628, 8.4746,
59.6684

83.3435, 94.7492,
72.9278

86.3988, 96.3242,
73.0708

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.



34.6237, 33.8532, 74.6083



39.9073, 33.8532, 63.4625



43.3136, 33.8532, 46.2948

Triad

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



39.9073, 33.8532, 63.4625



35.3211, 33.8532, 14.9137



22.9919, 33.8532, 44.1303

Complementary

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



39.9073, 33.8532, 63.4625



43.8495, 55.1558, 34.3231

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.



23.1335, 33.8532, 28.8036



39.9073, 33.8532, 63.4625



29.8473, 33.8532, 14.6385

Square

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



39.9073, 33.8532, 63.4625



40.4673, 33.8532, 19.8783



25.5146, 33.8532, 18.9760



25.1032, 33.8532, 61.4965

Rectangle

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



39.9073, 33.8532, 63.4625



43.8473, 33.8532, 35.2381



25.5146, 33.8532, 18.9760



22.7854, 33.8532, 38.5317

Sweetspot

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



39.9084, 33.8546, 63.4632



84.6879, 84.4311, 106.4410



37.1040, 39.3712, 64.6759



17.7888, 17.5691, 22.7036



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.



39.9084, 33.8546, 63.4632



58.8155, 47.0643, 100.5921



46.3033, 37.2107, 61.0761



11.8088, 11.7503, 14.8893



12.0574, 5.3961, 37.5985



0.7637, 0.3479, 2.1065

Inverse Universe

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



42.8114, 35.8140, 42.6881



64.4023, 50.8190, 61.3372



38.9291, 52.5811, 35.8125



12.0127, 11.8898, 13.3427



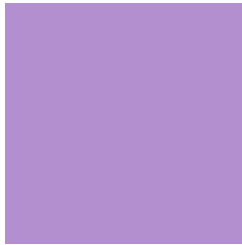
17.3498, 8.8128, 6.7483



1.0093, 0.5085, 0.5840

Previews

White Background



This preview shows how the XYZ color 39.9073, 33.8532, 63.4625 looks on a white background.

Color Contrast Check

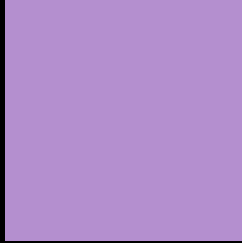
Large Text (above 18pt) WCAG AA × Fail

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 39.9073, 33.8532, 63.4625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

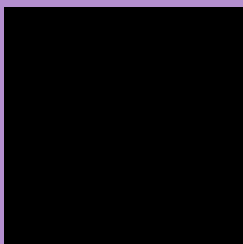
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.9073, 33.8532, 63.4625

Background



This preview shows how black text looks on a background with the XYZ color 39.9073, 33.8532, 63.4625.



This preview shows how white text looks on a background with the XYZ color 39.9073, 33.8532,

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

39.9073, 33.8532, 63.4625

Protanopia

34.7635, 33.8895, 69.6748

Deuteranopia

34.7734, 34.0535, 62.4978



Tritanopia

35.0727, 33.9851, 39.3616

Trichromacy



Original Color

39.9073, 33.8532, 63.4625

Protanomaly

36.4033, 33.8073, 67.5576

Deuteranomaly

36.5053, 33.9604, 63.0235

Tritanomaly

36.7886, 33.9797, 47.2676

Monochromacy



Original Color

39.9073, 33.8532, 63.4625

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

35.7399, 34.6504, 46.9240

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9073, 33.8532, 63.4625 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(180, 143, 207)` looks like.

```
.text, #text, p{  
    color:rgb(180, 143, 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(180, 143, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 143, 207) }
```

Border

The CSS property to change the border of an element to XYZ 39.9073, 33.8532, 63.4625 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(180, 143, 207) }
```


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

```
.border{ border-color:rgb(180, 143, 207) }
```

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

Here you see how a box with a 4 pixel rgb(180, 143, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 143, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 143, 207);  
box-shadow:4px 4px 4px 4px rgb(180, 143,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9073, 33.8532, 63.4625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 143, 207) }
```

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

```
.background{ background-color: rgb(180,  
143, 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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