

Converting Colors

XYZ(40.4876, 33.5495, 69.3955)

Have a look what the booklet for
XYZ(40.4876, 33.5495, 69.3955)
contains.

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Color

**XYZ(40.5100, 33.5913,
69.3144)**

Conversions

Conversions Part 1

Format	Color
Hex	B38DD8
RGB	179, 141, 216
RGB Percent	70%, 55%, 85%
CMY	0.2980, 0.4470, 0.1529
CMYK	0.17, 0.35, 0.00, 0.15
HSL	270°, 49%, 70%
HSV	270°, 35%, 85%
XYZ	40.5100, 33.5913, 69.3144
YIQ	160.9120, -1.4270, 31.3810

Conversions

Conversions Part 2

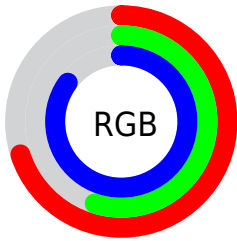
Format	Color
RYB	179, 141, 216
Decimal	11767256
CIELab	64.64, 28.71, -33.02
CIELCh	65, 43.754, 311.004
Yxy	33.5913, 0.2825, 0.2342
Android (android.graphics.Color)	4289957336 (0xFFB38DD8)
YUV	160.9120, 27.1584, 15.8632
Hunter-Lab	57.9580, 23.3369, -30.3368

Details

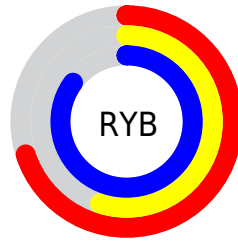
The XYZ color **40.5100, 33.5913, 69.3144** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.7245, 60.5005, 34.3631**, and the grayscale version is **33.7148, 35.4706, 38.6275**.

A 20% lighter version of the original color is **72.1572, 64.0831, 103.1739**, and **18.5466, 14.2455, 35.4904** is the 20% darker color. If you saturate the color by 10%, you get **35.2621, 26.6107, 68.2442**, and if you desaturate by 10%, it is **46.5717, 41.9149, 70.6021**.

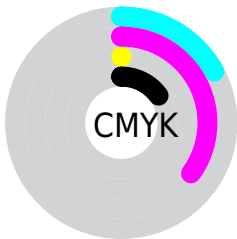
Distribution



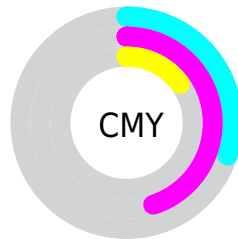
- Red (70%)
- Green (55%)
- Blue (85%)



- Red (70%)
- Yellow (55%)
- Blue (85%)



- Cyan (17%)
- Magenta (35%)
- Yellow (0%)
- Black (15%)



- Cyan (30%)
- Magenta (45%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5100, 33.5913, 69.3144 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 40.5100, 33.5913, 69.3144 by changing the saturation by 10% instead.

40.5100, 33.5913,
69.3144

40.5100, 33.5913,
69.3144

339.3662,
318.3058, 476.8630

28.1224, 22.5798,
50.4945

75.2189, 65.2976,
119.9024

18.5589, 14.2835,
35.4325

98.2709, 86.7612,
152.5076

11.4541, 8.3181,
23.7100

125.6084,
112.4776, 190.5450

6.4427, 4.2992,
14.9084

157.5968,
142.8312, 234.4330

3.1593, 1.8423,
8.6092

194.6014,
178.2065, 284.5903

1.2385, 0.5133,
4.3939

236.9876,

0.1365, 0.0000,

218.9877, 341.4354

1.8438

285.1207,
265.5594, 405.3867

■ 0.0000, 0.0000,
0.4566

■ 0.0000, 0.0000,
0.0000

■ 40.5100, 33.5913,
69.3144

■ 40.5100, 33.5913,
69.3144

■ 35.2621, 26.6107,
68.2442

■ 46.5717, 41.9149,
70.6021

■ 30.7839, 20.8943,
67.3768

■ 53.4811, 51.6462,
72.1162

■ 27.0321, 16.3611,
66.6995

■ 61.2743, 62.8505,
73.8682

■ 23.9572, 12.9188,
66.1972

■ 69.9842, 75.5878,
75.8676

■ 21.5021, 10.4604,
65.8521

■ 79.6420, 89.9147,
78.1240

■ 19.5982, 8.8560,
65.6427

■ 85.0955, 95.5216,
78.9188

■ 18.7559, 8.2372,
65.5677

■ 88.8794, 97.4722,
79.0959

■ 89.3948, 97.7379,
79.1200

Harmonies

Analogous

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



34.2848, 33.5913, 82.0221



40.5100, 33.5913, 69.3144



44.7393, 33.5913, 49.0062

Triad

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



40.5100, 33.5913, 69.3144



36.0153, 33.5913, 12.6763



21.4940, 33.5913, 43.5704

Complementary

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



40.5100, 33.5913, 69.3144



47.7245, 60.5005, 34.3631

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.



21.8298, 33.5913, 26.4471



40.5100, 33.5913, 69.3144



29.6809, 33.5913, 12.0716

Square

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



40.5100, 33.5913, 69.3144



41.9187, 33.5913, 18.2748



24.6519, 33.5913, 16.2145



23.6652, 33.5913, 64.2322

Rectangle

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



40.5100, 33.5913, 69.3144



45.5642, 33.5913, 35.9735



24.6519, 33.5913, 16.2145



21.3256, 33.5913, 37.1836

Sweetspot

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



40.5111, 33.5927, 69.3152



82.9702, 82.4874, 106.1564



39.4003, 42.6619, 71.1242



17.4188, 17.1675, 22.6455



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.



40.5111, 33.5927, 69.3152



53.0259, 40.9480, 99.7167



50.2393, 38.6077, 69.7704



12.3364, 12.3148, 15.6643



11.2264, 4.9399, 38.8150



0.7726, 0.3472, 2.3456

Inverse Universe

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



45.8806, 36.8642, 46.8177



62.3257, 46.6131, 60.8076



40.3491, 56.6984, 34.0179



12.6761, 12.5219, 14.2345



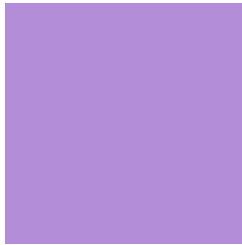
18.3733, 9.2857, 9.2701



1.1500, 0.5768, 0.7791

Previews

White Background



This preview shows how the XYZ color 40.5100, 33.5913, 69.3144 looks on a white background.

Color Contrast Check

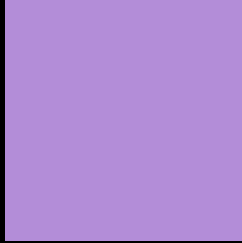
Large Text (above 18pt) WCAG AA × Fail

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 40.5100, 33.5913, 69.3144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

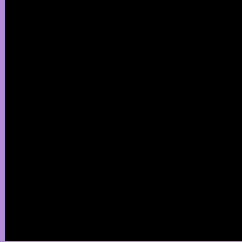
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.5100, 33.5913, 69.3144

Background



This preview shows how black text looks on a background with the XYZ color 40.5100, 33.5913, 69.3144.



This preview shows how white text looks on a background with the XYZ color 40.5100, 33.5913,

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

40.5100, 33.5913, 69.3144

Protanopia

35.4180, 34.0571, 77.3800

Deuteranopia

34.5468, 33.8222, 67.6583



Tritanopia

34.5066, 33.6829, 39.8047

Trichromacy



Original Color

40.5100, 33.5913, 69.3144

Protanomaly

36.8033, 33.6244, 74.3625

Deuteranomaly

36.3704, 33.5378, 68.1748

Tritanomaly

36.3707, 33.4829, 49.3457

Monochromacy



Original Color

40.5100, 33.5913, 69.3144

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

36.0445, 34.7722, 48.5280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5100, 33.5913, 69.3144 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(179, 141, 216)` looks like.

```
.text, #text, p{  
    color:rgb(179, 141, 216)  
}
```

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(179, 141, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 141, 216) }
```

Border

The CSS property to change the border of an element to XYZ 40.5100, 33.5913, 69.3144 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(179, 141, 216) }
```


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

```
.border{ border-color:rgb(179, 141, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 141, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 141, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 141, 216);  
box-shadow:4px 4px 4px 4px rgb(179, 141,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5100, 33.5913, 69.3144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 141, 216) }
```

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

```
.background{ background-color: rgb(179,  
141, 216) }
```

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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