

Converting Colors

XYZ(40.4381, 35.3238, 65.2814)

Have a look what the booklet for
XYZ(40.4381, 35.3238, 65.2814)
contains.

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Color

**XYZ(40.2300, 35.1304,
64.9821)**

Conversions

Conversions Part 1

Format	Color
Hex	B194D1
RGB	177, 148, 209
RGB Percent	69%, 58%, 82%
CMY	0.3059, 0.4196, 0.1804
CMYK	0.15, 0.29, 0.00, 0.18
HSL	269°, 40%, 70%
HSV	269°, 29%, 82%
XYZ	40.2300, 35.1304, 64.9821
YIQ	163.6250, -2.2970, 25.1190

Conversions

Conversions Part 2

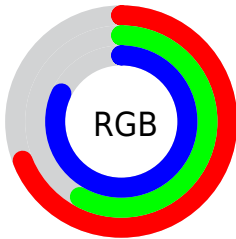
Format	Color
RYB	177, 148, 209
Decimal	11637969
CIELab	65.85, 22.61, -27.27
CIELCh	66, 35.420, 309.666
Yxy	35.1304, 0.2867, 0.2503
Android (android.graphics.Color)	4289828049 (0xFFB194D1)
YUV	163.6250, 22.3699, 11.7299
Hunter-Lab	59.2709, 17.4324, -23.5134

Details

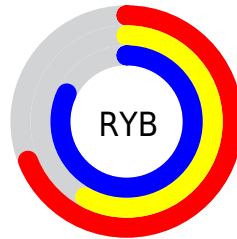
The XYZ color **40.2300, 35.1304, 64.9821** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **46.9693, 57.4432, 36.6307**, and the grayscale version is **35.0075, 36.8306, 40.1086**.

A 20% lighter version of the original color is **72.7748, 66.7847, 103.6628**, and **18.4196, 15.1676, 32.5287** is the 20% darker color. If you saturate the color by 10%, you get **34.8453, 27.9201, 63.8747**, and if you desaturate by 10%, it is **46.4095, 43.6308, 66.2977**.

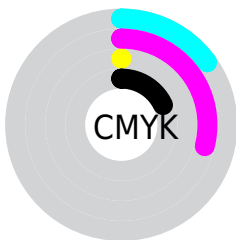
Distribution



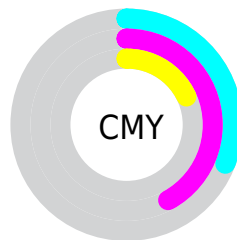
- Red (69%)
- Green (58%)
- Blue (82%)



- Red (69%)
- Yellow (58%)
- Blue (82%)



- Cyan (15%)
- Magenta (29%)
- Yellow (0%)
- Black (18%)



- Cyan (31%)
- Magenta (42%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2300, 35.1304, 64.9821 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 40.2300, 35.1304, 64.9821 by changing the saturation by 10% instead.

■ 40.2300, 35.1304,
64.9821

■ 40.2300, 35.1304,
64.9821

338.2099,
325.1435, 461.0321

■ 27.9029, 23.7633,
46.9953

■ 74.7957, 67.6877,
113.6372

■ 18.3926, 15.1582,
32.6776

■ 97.7651, 89.6468,
145.1425

■ 11.3336, 8.9305,
21.6105

125.0126,
115.9053, 181.9911

■ 6.3606, 4.6959,
13.3754

156.9037,
146.8477, 224.6015

■ 3.1083, 2.0699,
7.5538

193.8035,
182.8583, 273.3923

■ 1.2113, 0.6476,
3.7271

236.0776,

■ 0.1153, 0.0000,

224.3215, 328.7820

1.4769

284.0913,
271.6218, 391.1890

■ 0.0000, 0.0000,
0.2006

■ 0.0000, 0.0000,
0.0000

■ 40.2300, 35.1304,
64.9821

■ 40.2300, 35.1304,
64.9821

■ 34.8453, 27.9201,
63.8747

■ 46.4095, 43.6308,
66.2977

■ 30.2155, 21.9294,
62.9624

■ 53.4145, 53.4781,
67.8292

■ 26.3019, 17.0876,
62.2341

■ 61.2778, 64.7313,
69.5869

■ 23.0608, 13.3144,
61.6767

■ 70.0298, 77.4441,
71.5794

■ 20.4428, 10.5189,
61.2751

■ 79.6989, 91.6676,
73.8152

■ 18.3902, 8.5943,
61.0118

■ 84.1573, 95.1403,
74.2505

■ 16.8108, 7.3642,
60.8576

■ 88.0507, 97.1474,
74.4327

■ 16.6937, 7.2764,
60.8468

■ 88.5087, 97.3835,
74.4542

Harmonies

Analogous

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



35.1076, 35.1304, 74.2493



40.2300, 35.1304, 64.9821



43.7362, 35.1304, 49.1580

Triad

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



40.2300, 35.1304, 64.9821



37.0085, 35.1304, 17.1012



24.4251, 35.1304, 43.2937

Complementary

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



40.2300, 35.1304, 64.9821



46.9693, 57.4432, 36.6307

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.



24.8201, 35.1304, 29.0900



40.2300, 35.1304, 64.9821



31.7301, 35.1304, 16.3036

Square

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



40.2300, 35.1304, 64.9821



41.7457, 35.1304, 22.6544



27.3736, 35.1304, 20.0875



26.2317, 35.1304, 59.7386

Rectangle

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



40.2300, 35.1304, 64.9821



44.4906, 35.1304, 38.4192



27.3736, 35.1304, 20.0875



24.3095, 35.1304, 38.0833

Sweetspot

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



40.2312, 35.1319, 64.9829



83.8692, 84.0090, 106.4027



40.1518, 43.7589, 66.6523



17.5872, 17.4652, 22.6941



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.



40.2312, 35.1319, 64.9829



57.7038, 47.8376, 100.8000



47.8223, 39.0452, 65.3381



11.6906, 11.6893, 14.8838



10.4050, 4.5443, 37.5212



0.6731, 0.3012, 2.1022

Inverse Universe

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



45.1237, 38.0319, 48.1441



66.7866, 53.2239, 69.4184



40.7308, 54.2271, 36.3387



12.0641, 11.9104, 13.6133



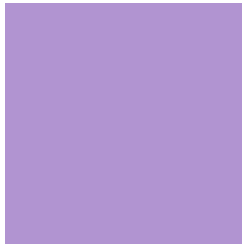
17.9859, 9.0672, 10.0978



1.0456, 0.5230, 0.7751

Previews

White Background



This preview shows how the XYZ color 40.2300, 35.1304, 64.9821 looks on a white background.

Color Contrast Check

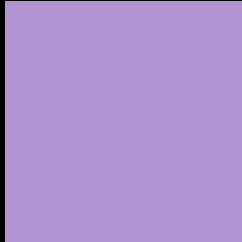
Large Text (above 18pt) WCAG AA × Fail

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 40.2300, 35.1304, 64.9821 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 40.2300, 35.1304, 64.9821

Background



This preview shows how black text looks on a background with the XYZ color 40.2300, 35.1304, 64.9821.



This preview shows how white text looks on a background with the XYZ color 40.2300, 35.1304,

64.9821.

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

40.2300, 35.1304, 64.9821

Protanopia

36.0789, 35.3031, 70.5583

Deuteranopia

36.0820, 35.1982, 63.9237



Tritanopia

35.5339, 35.1501, 41.9576

Trichromacy



Original Color

40.2300, 35.1304, 64.9821

Protanomaly

37.2108, 34.9348, 68.4002

Deuteranomaly

37.4380, 35.1389, 64.4838

Tritanomaly

37.1721, 35.0856, 49.6128

Monochromacy



Original Color

40.2300, 35.1304, 64.9821

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

36.8273, 36.1840, 48.2232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2300, 35.1304, 64.9821 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(177, 148, 209)` looks like.

```
.text, #text, p{  
    color:rgb(177, 148, 209)  
}
```

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(177, 148, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 148, 209) }
```

Border

The CSS property to change the border of an element to XYZ 40.2300, 35.1304, 64.9821 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(177, 148, 209) }
```


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

```
.border{ border-color:rgb(177, 148, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 148, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 148, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 148, 209); box-shadow:4px 4px 4px 4px rgb(177, 148, 209) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2300, 35.1304, 64.9821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 148, 209) }
```

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

```
.background{ background-color: rgb(177,  
148, 209) }
```

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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