

Converting Colors

XYZ(44.3003, 40.1766, 64.3550)

Have a look what the booklet for
XYZ(44.3003, 40.1766, 64.3550)
contains.

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Color

**XYZ(44.3268, 40.2114,
64.4568)**

Conversions

Conversions Part 1

Format	Color
Hex	BBA0CF
RGB	187, 160, 207
RGB Percent	73%, 63%, 81%
CMY	0.2667, 0.3725, 0.1882
CMYK	0.10, 0.23, 0.00, 0.19
HSL	274°, 33%, 72%
HSV	274°, 23%, 81%
XYZ	44.3268, 40.2114, 64.4568
YIQ	173.4310, 1.0050, 20.3410

Conversions

Conversions Part 2

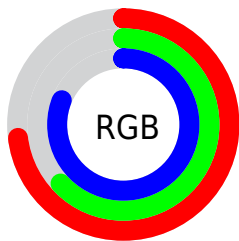
Format	Color
R _Y B	187, 160, 207
Decimal	12296399
CIE _{Lab}	69.62, 18.69, -20.31
CIE _{LCh}	70, 27.605, 312.625
Yxy	40.2114, 0.2975, 0.2699
Android (android.graphics.Color)	4290486479 (0xFFBBA0CF)
YUV	173.4310, 16.5495, 11.9000
Hunter-Lab	63.4125, 13.8039, -15.8777

Details

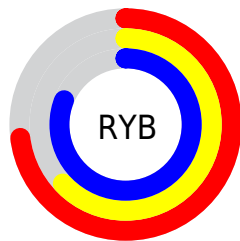
The XYZ color **44.3268, 40.2114, 64.4568** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.4818, 56.8681, 41.7337**, and the grayscale version is **39.8593, 41.9351, 45.6673**.

A 20% lighter version of the original color is **79.3126, 74.8756, 104.8799**, and **20.7852, 18.0116, 32.5181** is the 20% darker color. If you saturate the color by 10%, you get **38.9437, 32.5463, 63.2616**, and if you desaturate by 10%, it is **50.4421, 49.1430, 65.8591**.

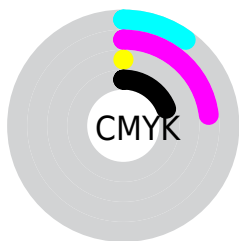
Distribution



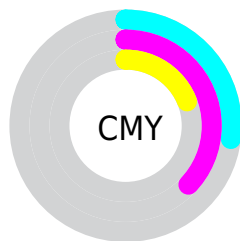
- Red (73%)
- Green (63%)
- Blue (81%)



- Red (73%)
- Yellow (63%)
- Blue (81%)



- Cyan (10%)
- Magenta (23%)
- Yellow (0%)
- Black (19%)



- Cyan (27%)
- Magenta (37%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.3268, 40.2114, 64.4568 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 44.3268, 40.2114, 64.4568 by changing the saturation by 10% instead.

■ 44.3268, 40.2114,
64.4568

■ 44.3268, 40.2114,
64.4568

354.8699,
347.0138, 459.0900

■ 31.1265, 27.7034,
46.5722

■ 80.9526, 75.4853,
112.8743

■ 20.8475, 18.1022,
32.3457

■ 105.1088, 99.0200,
144.2443

■ 13.1244, 11.0234,
21.3587

133.6477,
126.9991, 180.9466

■ 7.5919, 6.0826,
13.1926

166.9346,
159.8070, 223.3996

■ 3.8845, 2.8954,
7.4290

205.3350,
197.8279, 272.0219

■ 1.6370, 1.0773,
3.6494

249.2141,

■ 0.4163, 0.0000,

241.4465, 327.2320

1.4350

298.9373,
291.0470, 389.4486

■ 0.0000, 0.0000,
0.1688

■ 0.0000, 0.0000,
0.0000

■ 44.3268, 40.2114,
64.4568

■ 44.3268, 40.2114,
64.4568

■ 38.9437, 32.5463,
63.2616

■ 50.4421, 49.1430,
65.8591

■ 34.2571, 26.0822,
62.2609

■ 57.3156, 59.3922,
67.4751

■ 30.2338, 20.7554,
61.4448

■ 64.9766, 71.0133,
69.3144

■ 26.8360, 16.4942,
60.8014

■ 73.4516, 84.0563,
71.3853

■ 24.0217, 13.2183,
60.3174

■ 79.9924, 93.0216,
72.7710

■ 21.7428, 10.8355,
59.9776

■ 82.9085, 94.5249,
72.9075

■ 19.9420, 9.2352,
59.7636

■ 85.9697, 96.1030,
73.0508

■ 18.8584, 8.4208,
59.6636

■ 88.2626, 97.2850,
73.1581

Harmonies

Analogous

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



40.1251, 40.2114, 72.3911



44.3268, 40.2114, 64.4568



47.0030, 40.2114, 51.5353

Triad

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



44.3268, 40.2114, 64.4568



40.8384, 40.2114, 24.2766



30.4467, 40.2114, 49.3744

Complementary

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



44.3268, 40.2114, 64.4568



47.4818, 56.8681, 41.7337

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.



30.6051, 40.2114, 36.8506



44.3268, 40.2114, 64.4568



36.3756, 40.2114, 23.9228

Square

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



44.3268, 40.2114, 64.4568



44.8839, 40.2114, 29.1674



32.7010, 40.2114, 28.0833



32.2502, 40.2114, 62.6121

Rectangle

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



44.3268, 40.2114, 64.4568



47.4432, 40.2114, 42.6680



32.7010, 40.2114, 28.0833



30.2766, 40.2114, 44.9181

Sweetspot

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



44.3281, 40.2131, 64.4577



86.8780, 87.7230, 106.9610



42.1566, 44.7709, 65.4519



18.4510, 18.5607, 22.8601



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.



44.3281, 40.2131, 64.4577



66.9109, 58.5215, 102.3769



49.1872, 42.7619, 62.7051



11.8046, 11.7481, 14.8891



11.9917, 5.3622, 37.5955



0.7602, 0.3461, 2.1063

Inverse Universe

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



46.5425, 41.7040, 48.7785



71.1540, 61.3705, 72.6882



43.4343, 54.7494, 42.9933



12.0145, 11.8905, 13.3523



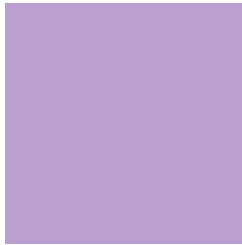
17.3697, 8.8207, 6.8531



1.0105, 0.5089, 0.5903

Previews

White Background



This preview shows how the XYZ color 44.3268, 40.2114, 64.4568 looks on a white background.

Color Contrast Check

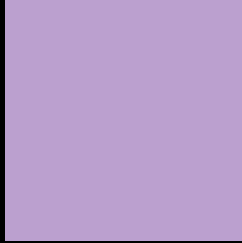
Large Text (above 18pt) WCAG AA × Fail

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 44.3268, 40.2114, 64.4568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

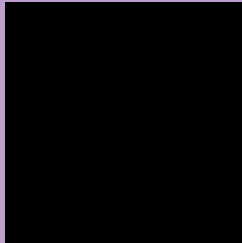
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.3268, 40.2114, 64.4568

Background



This preview shows how black text looks on a background with the XYZ color 44.3268, 40.2114, 64.4568.



This preview shows how white text looks on a background with the XYZ color 44.3268, 40.2114,

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

44.3268, 40.2114, 64.4568

Protanopia

40.3109, 40.1803, 68.5817

Deuteranopia

41.1390, 40.1637, 63.9766



Tritanopia

40.7824, 40.0697, 47.7042

Trichromacy



Original Color

44.3268, 40.2114, 64.4568

Protanomaly

41.5752, 40.0484, 67.1669

Deuteranomaly

42.3205, 40.2373, 63.9286

Tritanomaly

42.0497, 40.0589, 53.6600

Monochromacy



Original Color

44.3268, 40.2114, 64.4568

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

41.1197, 40.9730, 51.6403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.3268, 40.2114, 64.4568 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(187, 160, 207)` looks like.

```
.text, #text, p{  
    color:rgb(187, 160, 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(187, 160, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 160, 207) }
```

Border

The CSS property to change the border of an element to XYZ 44.3268, 40.2114, 64.4568 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(187, 160, 207) }
```


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

```
.border{ border-color:rgb(187, 160, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 160, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 160, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 160, 207);  
box-shadow:4px 4px 4px 4px rgb(187, 160,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 44.3268, 40.2114, 64.4568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 160, 207) }
```

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

```
.background{ background-color: rgb(187,  
160, 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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