

Converting Colors

XYZ(36.9839, 31.6215, 44.2247)

Have a look what the booklet for
XYZ(36.9839, 31.6215, 44.2247)
contains.

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Color

**XYZ(36.9782, 31.6721,
44.2088)**

Conversions

Conversions Part 1

Format	Color
Hex	BA8AAE
RGB	186, 138, 174
RGB Percent	73%, 54%, 68%
CMY	0.2706, 0.4588, 0.3176
CMYK	0.00, 0.26, 0.06, 0.27
HSL	315°, 26%, 64%
HSV	315°, 26%, 73%
XYZ	36.9782, 31.6721, 44.2088
YIQ	156.4560, 17.0520, 21.3720

Conversions

Conversions Part 2

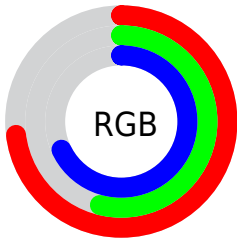
Format	Color
R_{YB}	186, 138, 174
Decimal	12225198
CIE _{Lab}	63.07, 24.19, -11.77
CIE _{LCh}	63, 26.899, 334.056
Yxy	31.6721, 0.3276, 0.2806
Android (android.graphics.Color)	4290415278 (0xFFBA8AAE)
YUV	156.4560, 8.6492, 25.9101
Hunter-Lab	56.2780, 18.7994, -7.1803

Details

The XYZ color **36.9782, 31.6721, 44.2088** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **33.5465, 42.7241, 35.3346**, and the grayscale version is **31.7617, 33.4158, 36.3898**.

A 20% lighter version of the original color is **70.0947, 62.4671, 83.2259**, and **16.4368, 13.1271, 20.0798** is the 20% darker color. If you saturate the color by 10%, you get **34.0894, 26.6071, 41.0479**, and if you desaturate by 10%, it is **40.3416, 37.6602, 47.6061**.

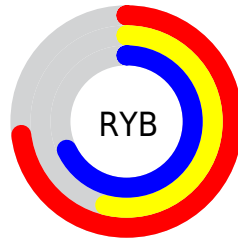
Distribution



Red (73%)

Green (54%)

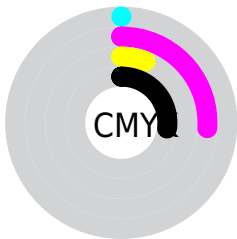
Blue (68%)



Red (73%)

Yellow (54%)

Blue (68%)

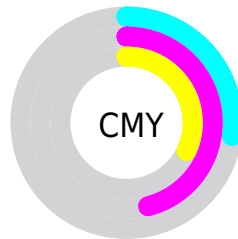


Cyan (0%)

Magenta (26%)

Yellow (6%)

Black (27%)



Cyan (27%)


Magenta (46%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9782, 31.6721, 44.2088 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 36.9782, 31.6721, 44.2088 by changing the saturation by 10% instead.


 36.9782, 31.6721,
44.2088


 36.9782, 31.6721,
44.2088

324.5733,
309.6228, 379.6259


 25.3642, 21.1112,
30.4963


 69.8533, 62.2967,
82.8377

 16.4788, 13.2053,
19.9604


 91.8451, 83.1291,
108.5911

 9.9566, 7.5701,
12.1824


 118.0269,
108.1542, 139.1953

 5.4322, 3.8211,
6.7440

148.7641,
137.7563, 175.0687

 2.5404, 1.5740,
3.2265

184.4220,
172.3198, 216.6300

 0.9157, 0.3400,
1.2114

225.3659,

 0.0000, 0.0000,

212.2292, 264.2975

0.0000

271.9612,
257.8687, 318.4900

■ 36.9782, 31.6721,
44.2088

■ 36.9782, 31.6721,
44.2088

■ 34.0894, 26.6071,
41.0479

■ 40.3416, 37.6602,
47.6061

■ 31.6489, 22.4143,
38.1127

■ 44.1985, 44.6104,
51.2457

■ 29.6322, 19.0445,
35.3947

■ 48.5703, 52.5647,
55.1360

■ 28.0111, 16.4415,
32.8837

■ 53.4761, 61.5614,
59.2840

■ 26.7540, 14.5425,
30.5683

■ 58.9343, 71.6367,
63.6965

■ 25.8243, 13.2744,
28.4355

■ 64.9622, 82.8250,
68.3801

■ 25.1758, 12.5451,
26.4690

■ 67.2179, 86.4424,
71.8881

■ 24.9466, 12.3179,
25.6797

■ 67.7934, 86.6726,
74.9187

■ 68.3858, 86.9096,
78.0381

Harmonies

Analogous

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



34.2738, 31.6721, 54.3122



36.9782, 31.6721, 44.2088



37.7874, 31.6721, 33.0617

Triad

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



36.9782, 31.6721, 44.2088



29.6020, 31.6721, 17.8686



24.5760, 31.6721, 47.2263

Complementary

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



36.9782, 31.6721, 44.2088



33.5465, 42.7241, 35.3346

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.



23.5388, 31.6721, 35.9497



36.9782, 31.6721, 44.2088



26.2857, 31.6721, 20.1878

Square

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



36.9782, 31.6721, 44.2088



33.3305, 31.6721, 19.1941



24.1383, 31.6721, 26.3040



27.0916, 31.6721, 56.2903

Rectangle

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



36.9782, 31.6721, 44.2088



37.0921, 31.6721, 26.8160



24.1383, 31.6721, 26.3040



24.0527, 31.6721, 43.4936

Sweetspot

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



36.9791, 31.6735, 44.2095



78.4020, 77.7655, 91.3091



30.5305, 28.2078, 50.2905



17.0262, 16.6933, 19.8847



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.9791, 31.6735, 44.2095



63.9338, 51.9682, 76.8088



34.8444, 30.8196, 32.9680



9.2824, 9.1233, 10.8345



16.8143, 8.2995, 17.4406



0.6160, 0.3019, 0.7371

Inverse Universe

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



36.9791, 31.6735, 44.2095



63.9338, 51.9682, 76.8088



35.6813, 43.5780, 46.5762



9.2824, 9.1233, 10.8345



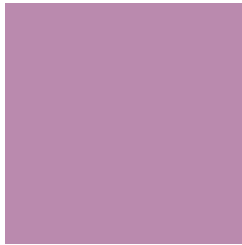
16.8143, 8.2995, 17.4406



0.6160, 0.3019, 0.7371

Previews

White Background



This preview shows how the XYZ color 36.9782, 31.6721, 44.2088 looks on a white background.

Color Contrast Check

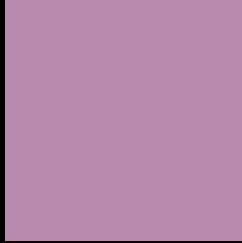
Large Text (above 18pt) WCAG AA × Fail

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 36.9782, 31.6721, 44.2088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

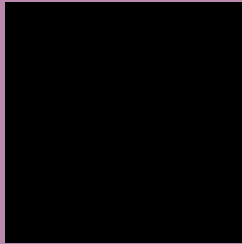
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.9782, 31.6721, 44.2088

Background



This preview shows how black text looks on a background with the XYZ color 36.9782, 31.6721, 44.2088.



This preview shows how white text looks on a background with the XYZ color 36.9782, 31.6721,

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

36.9782, 31.6721, 44.2088

Protanopia

31.6295, 31.9864, 49.3067

Deuteranopia

32.4919, 31.8444, 43.4638



Tritanopia

34.9512, 31.7132, 34.4161

Trichromacy



Original Color

36.9782, 31.6721, 44.2088

Protanomaly

33.3699, 31.7398, 47.5476

Deuteranomaly

34.0304, 31.7029, 43.8608

Tritanomaly

35.7251, 31.8133, 37.9759

Monochromacy



Original Color

36.9782, 31.6721, 44.2088

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

33.2947, 32.3547, 39.1406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9782, 31.6721, 44.2088 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(186, 138, 174)` looks like.

```
.text, #text, p{  
    color:rgb(186, 138, 174)  
}
```

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(186, 138, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 138, 174) }
```

Border

The CSS property to change the border of an element to XYZ 36.9782, 31.6721, 44.2088 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(186, 138, 174) }
```


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

```
.border{ border-color:rgb(186, 138, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 138, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 138, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 138, 174);  
box-shadow:4px 4px 4px 4px rgb(186, 138,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9782, 31.6721, 44.2088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 138, 174) }
```

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

```
.background{ background-color: rgb(186,  
138, 174) }
```

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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