

Converting Colors

XYZ(36.9316, 32.6781, 46.3854)

Have a look what the booklet for
XYZ(36.9316, 32.6781, 46.3854)
contains.

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Color

**XYZ(36.9144, 32.6830,
46.4823)**

Conversions

Conversions Part 1

Format	Color
Hex	B58FB2
RGB	181, 143, 178
RGB Percent	71%, 56%, 70%
CMY	0.2902, 0.4392, 0.3020
CMYK	0.00, 0.21, 0.02, 0.29
HSL	305°, 20%, 64%
HSV	305°, 21%, 71%
XYZ	36.9144, 32.6830, 46.4823
YIQ	158.3520, 11.4130, 18.9410

Conversions

Conversions Part 2

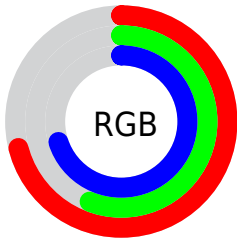
Format	Color
RYB	181, 143, 178
Decimal	11898802
CIELab	63.90, 20.39, -12.83
CIElCh	64, 24.090, 327.822
Yxy	32.6830, 0.3180, 0.2816
Android (android.graphics.Color)	4290088882 (0xFFB58FB2)
YUV	158.3520, 9.6865, 19.8623
Hunter-Lab	57.1690, 15.2127, -8.1884

Details

The XYZ color **36.9144, 32.6830, 46.4823** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **33.0412, 40.9637, 33.3613**, and the grayscale version is **32.6137, 34.3122, 37.3660**.

A 20% lighter version of the original color is **69.7426, 63.8775, 86.4957**, and **16.4309, 13.7242, 21.1851** is the 20% darker color. If you saturate the color by 10%, you get **34.2710, 27.6241, 44.8971**, and if you desaturate by 10%, it is **39.9997, 38.6222, 48.2229**.

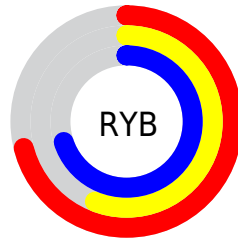
Distribution



Red (71%)

Green (56%)

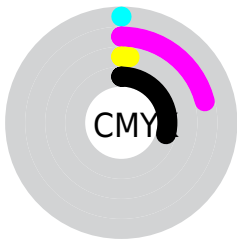
Blue (70%)



Red (71%)

Yellow (56%)

Blue (70%)

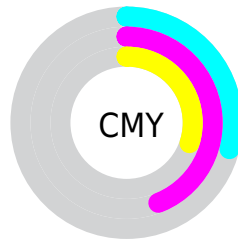


Cyan (0%)

Magenta (21%)

Yellow (2%)

Black (29%)



Cyan (29%)

Magenta (44%)

Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9144, 32.6830, 46.4823 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 36.9144, 32.6830, 46.4823 by changing the saturation by 10% instead.


 36.9144, 32.6830,
46.4823


 36.9144, 32.6830,
46.4823


324.3017,
314.2189, 389.0780

 25.3146, 21.8837,
32.2752

 69.7558, 63.8803,
86.2822

 16.4416, 13.7715,
21.3052


 91.7281, 85.0471,
112.7121

 9.9300, 7.9619,
13.1539


117.8886,
110.4385, 144.0533

 5.4145, 4.0706,
7.4026

148.6027,
140.4390, 180.7243

 2.5297, 1.7131,
3.6329

184.2357,
175.4328, 223.1438

 0.9102, 0.4321,
1.4262

225.1530,

 0.0000, 0.0000,

215.8045, 271.7302

0.1620

271.7199,
261.9384, 326.9021

■ 0.0000, 0.0000,
0.0000

■ 36.9144, 32.6830,
46.4823

■ 36.9144, 32.6830,
46.4823

■ 34.2710, 27.6241,
44.8971

■ 39.9997, 38.6222,
48.2229

■ 32.0455, 23.3992,
43.4583

■ 43.5435, 45.4765,
50.1233

■ 30.2161, 19.9643,
42.1588

■ 47.5652, 53.2842,
52.1904

■ 28.7581, 17.2696,
40.9904

■ 52.0821, 62.0799,
54.4301

■ 27.6438, 15.2598,
39.9439

■ 57.1108, 71.8969,
56.8479

■ 26.8414, 13.8717,
39.0086

■ 62.6671, 82.7665,
59.4489

■ 26.3137, 13.0305,
38.1721

■ 63.8941, 84.9750,
60.6144

■ 26.0045, 12.6032,
37.4802

■ 64.0490, 85.0370,
61.4301

■ 64.2054, 85.0995,
62.2538

Harmonies

Analogous

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



34.2069, 32.6830, 54.7810



36.9144, 32.6830, 46.4823



38.0437, 32.6830, 36.3003

Triad

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



36.9144, 32.6830, 46.4823



31.3125, 32.6830, 20.0015



25.6487, 32.6830, 45.0296

Complementary

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



36.9144, 32.6830, 46.4823



33.0412, 40.9637, 33.3613

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.



24.9952, 32.6830, 34.8816



36.9144, 32.6830, 46.4823



28.1201, 32.6830, 21.4979

Square

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



36.9144, 32.6830, 46.4823



34.6664, 32.6830, 22.0088



25.8673, 32.6830, 26.5417



27.7206, 32.6830, 53.8408

Rectangle

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



36.9144, 32.6830, 46.4823



37.6921, 32.6830, 30.1729



25.8673, 32.6830, 26.5417



25.2627, 32.6830, 41.6112

Sweetspot

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



36.9154, 32.6844, 46.4830



74.6379, 74.9672, 87.9935



29.9356, 29.0510, 47.7464



16.0451, 16.0352, 18.9719



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



36.9154, 32.6844, 46.4830



63.9231, 54.3366, 81.9588



35.1783, 31.9896, 37.3354



8.8205, 8.6349, 10.5532



17.9385, 8.6930, 25.9000



0.5729, 0.2769, 0.8597

Inverse Universe

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



36.9154, 32.6844, 46.4830



63.9231, 54.3366, 81.9588



34.6019, 41.5880, 41.5798



8.8205, 8.6349, 10.5532



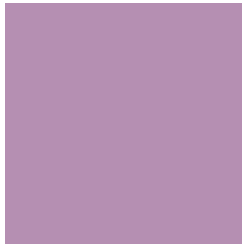
17.9385, 8.6930, 25.9000



0.5729, 0.2769, 0.8597

Previews

White Background



This preview shows how the XYZ color 36.9144, 32.6830, 46.4823 looks on a white background.

Color Contrast Check

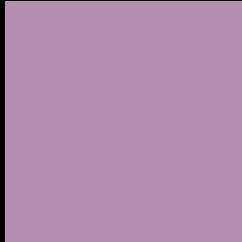
Large Text (above 18pt) WCAG AA × Fail

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 36.9144, 32.6830, 46.4823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

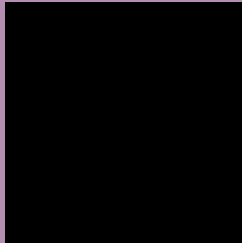
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.9144, 32.6830, 46.4823

Background



This preview shows how black text looks on a background with the XYZ color 36.9144, 32.6830, 46.4823.



This preview shows how white text looks on a background with the XYZ color 36.9144, 32.6830,

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

36.9144, 32.6830, 46.4823

Protanopia

32.5253, 32.9099, 50.5369

Deuteranopia

33.4003, 32.7414, 45.6336



Tritanopia

34.9654, 32.8010, 36.8361

Trichromacy



Original Color

36.9144, 32.6830, 46.4823

Protanomaly

33.8470, 32.6637, 48.7768

Deuteranomaly

34.6742, 32.6790, 46.0751

Tritanomaly

35.6608, 32.8581, 40.0600

Monochromacy



Original Color

36.9144, 32.6830, 46.4823

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

33.9086, 33.6061, 40.2968

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9144, 32.6830, 46.4823 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(181, 143, 178)` looks like.

```
.text, #text, p{  
    color:rgb(181, 143, 178)  
}
```

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(181, 143, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 143, 178) }
```

Border

The CSS property to change the border of an element to XYZ 36.9144, 32.6830, 46.4823 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(181, 143, 178) }
```


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

```
.border{ border-color:rgb(181, 143, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 143, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 143, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 143, 178);  
box-shadow:4px 4px 4px 4px rgb(181, 143,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9144, 32.6830, 46.4823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 143, 178) }
```

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

```
.background{ background-color: rgb(181,  
143, 178) }
```

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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