

Converting Colors

XYZ(36.9891, 31.4200, 46.2346)

Have a look what the booklet for
XYZ(36.9891, 31.4200, 46.2346)
contains.

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Color

**XYZ(36.9891, 31.4200,
46.2346)**

Conversions

Conversions Part 1

Format	Color
Hex	B989B2
RGB	185, 137, 178
RGB Percent	73%, 54%, 70%
CMY	0.2745, 0.4627, 0.3020
CMYK	0.00, 0.26, 0.04, 0.27
HSL	309°, 26%, 63%
HSV	309°, 26%, 73%
XYZ	36.9891, 31.4200, 46.2346
YIQ	156.0260, 15.4470, 22.9270

Conversions

Conversions Part 2

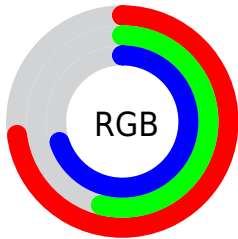
Format	Color
R _Y B	185, 137, 178
Decimal	12159410
CIE Lab	62.86, 25.13, -14.36
CIE LCh	63, 28.943, 330.257
Yxy	31.4200, 0.3226, 0.2741
Android (android.graphics.Color)	4290349490 (0xFFB989B2)
YUV	156.0260, 10.8332, 25.4102
Hunter-Lab	56.0535, 19.6964, -9.6666

Details

The XYZ color **36.9891, 31.4200, 46.2346** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **32.7008, 42.0308, 32.7766**, and the grayscale version is **31.5607, 33.2044, 36.1595**.

A 20% lighter version of the original color is **70.1000, 62.0794, 86.1297**, and **16.3895, 12.9615, 21.0400** is the 20% darker color. If you saturate the color by 10%, you get **34.3134, 26.4974, 44.0195**, and if you desaturate by 10%, it is **40.1229, 37.2493, 48.6294**.

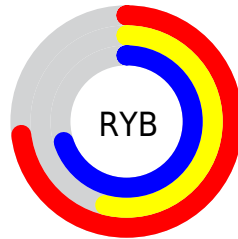
Distribution



Red (73%)

Green (54%)

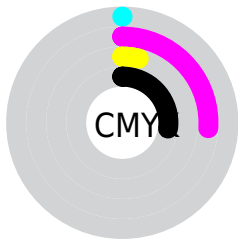
Blue (70%)



Red (73%)

Yellow (54%)

Blue (70%)

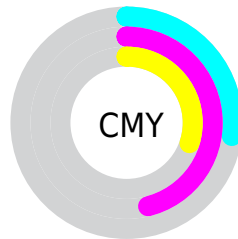


Cyan (0%)

Magenta (26%)

Yellow (4%)

Black (27%)



Cyan (27%)


Magenta (46%)


Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9891, 31.4200, 46.2346 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 36.9891, 31.4200, 46.2346 by changing the saturation by 10% instead.


 36.9891, 31.4200,
46.2346


 36.9891, 31.4200,
46.2346


324.6197,
308.4686, 388.0560

 25.3727, 20.9189,
32.0810


 69.8700, 61.9007,
85.9080

 16.4851, 13.0647,
21.1580


 91.8651, 82.6491,
112.2648

 9.9611, 7.4731,
13.0472


 118.0506,
107.5820, 143.5265

 5.4353, 3.7597,
7.3299

148.7917,
137.0839, 180.1115

 2.5422, 1.5401,
3.5877

184.4538,
171.5391, 222.4384

 0.9166, 0.3167,
1.4020

225.4022,

 0.0000, 0.0000,

211.3320, 270.9258

0.1433

272.0024,
256.8471, 325.9921

■ 0.0000, 0.0000,
0.0000

■ 36.9891, 31.4200,
46.2346

■ 36.9891, 31.4200,
46.2346

■ 34.3134, 26.4974,
44.0195

■ 40.1229, 37.2493,
48.6294

■ 32.0700, 22.4314,
41.9743

■ 43.7334, 44.0238,
51.2092

■ 30.2347, 19.1732,
40.0911

■ 47.8415, 51.7850,
53.9815

■ 28.7799, 16.6676,
38.3606

■ 52.4661, 60.5705,
56.9526

■ 27.6744, 14.8524,
36.7722

■ 57.6252, 70.4161,
60.1288

■ 26.8822, 13.6553,
35.3138

■ 63.3357, 81.3559,
63.5158

■ 26.3571, 12.9844,
33.9698

■ 65.8330, 85.8605,
65.8589

■ 26.1810, 12.7837,
33.4441

■ 66.1448, 85.9852,
67.5008

■ 66.4621, 86.1121,
69.1720

Harmonies

Analogous

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



33.8750, 31.4200, 56.7648



36.9891, 31.4200, 46.2346



38.1602, 31.4200, 34.1130

Triad

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



36.9891, 31.4200, 46.2346



29.8295, 31.4200, 16.6843



23.7472, 31.4200, 46.4428

Complementary

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



36.9891, 31.4200, 46.2346



32.7008, 42.0308, 32.7766

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.



22.8664, 31.4200, 34.3093



36.9891, 31.4200, 46.2346



26.1824, 31.4200, 18.5970

Square

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



36.9891, 31.4200, 46.2346



33.8104, 31.4200, 18.5317



23.7178, 31.4200, 24.4767



26.2368, 31.4200, 56.9025

Rectangle

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



36.9891, 31.4200, 46.2346



37.6074, 31.4200, 27.1904



23.7178, 31.4200, 24.4767



23.2636, 31.4200, 42.3467

Sweetspot

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



36.9901, 31.4214, 46.2353



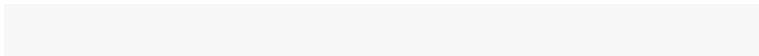
76.8363, 76.0435, 90.6748



29.1011, 27.2712, 49.6295



16.3494, 15.9895, 19.3959



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



36.9901, 31.4214, 46.2353



63.4832, 51.1745, 80.5600



34.8372, 30.5602, 34.8985



9.3231, 9.1396, 11.0488



17.8476, 8.7128, 22.8821



0.6447, 0.3134, 0.8884

Inverse Universe

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



36.9901, 31.4214, 46.2353



63.4832, 51.1745, 80.5600



34.6787, 42.8219, 43.1922



9.3231, 9.1396, 11.0488



17.8476, 8.7128, 22.8821



0.6447, 0.3134, 0.8884

Previews

White Background



This preview shows how the XYZ color 36.9891, 31.4200, 46.2346 looks on a white background.

Color Contrast Check

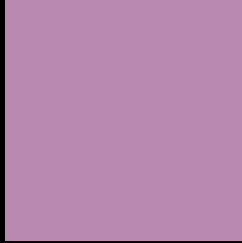
Large Text (above 18pt) WCAG AA × Fail

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 36.9891, 31.4200, 46.2346 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 36.9891, 31.4200, 46.2346

Background



This preview shows how black text looks on a background with the XYZ color 36.9891, 31.4200, 46.2346.



This preview shows how white text looks on a background with the XYZ color 36.9891, 31.4200,

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

36.9891, 31.4200, 46.2346

Protanopia

31.5378, 31.6504, 51.4606

Deuteranopia

32.2942, 31.6974, 45.4904



Tritanopia

34.7142, 31.5910, 34.4050

Trichromacy



Original Color

36.9891, 31.4200, 46.2346

Protanomaly

33.2287, 31.3894, 49.6548

Deuteranomaly

33.9976, 31.6406, 45.9104

Tritanomaly

35.4281, 31.4321, 38.3822

Monochromacy



Original Color

36.9891, 31.4200, 46.2346

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

33.3846, 32.3907, 39.6144

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9891, 31.4200, 46.2346 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(185, 137, 178)` looks like.

```
.text, #text, p{  
    color:rgb(185, 137, 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(185, 137, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 137, 178) }
```

Border

The CSS property to change the border of an element to XYZ 36.9891, 31.4200, 46.2346 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(185, 137, 178) }
```


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

```
.border{ border-color:rgb(185, 137, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 137, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 137, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 137, 178);  
box-shadow:4px 4px 4px 4px rgb(185, 137,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9891, 31.4200, 46.2346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 137, 178) }
```

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

```
.background{ background-color: rgb(185,  
137, 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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