

Converting Colors

XYZ(36.5184, 31.3244, 40.6768)

Have a look what the booklet for
XYZ(36.5184, 31.3244, 40.6768)
contains.

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Color

**XYZ(36.4142, 31.2461,
40.6711)**

Conversions

Conversions Part 1

Format	Color
Hex	BB89A7
RGB	187, 137, 167
RGB Percent	73%, 54%, 65%
CMY	0.2667, 0.4627, 0.3451
CMYK	0.00, 0.27, 0.11, 0.27
HSL	324°, 27%, 64%
HSV	324°, 27%, 73%
XYZ	36.4142, 31.2461, 40.6711
YIQ	155.3700, 20.1700, 19.9300

Conversions

Conversions Part 2

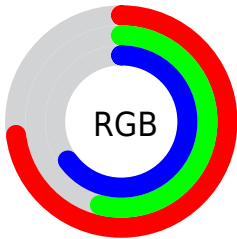
Format	Color
RYB	187, 137, 167
Decimal	12290471
CIELab	62.71, 23.86, -8.32
CIELCh	63, 25.267, 340.772
Yxy	31.2461, 0.3361, 0.2884
Android (android.graphics.Color)	4290480551 (0xFFBB89A7)
YUV	155.3700, 5.7336, 27.7395
Hunter-Lab	55.8982, 18.4598, -4.0102

Details

The XYZ color **36.4142, 31.2461, 40.6711** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **34.1739, 43.2942, 38.4556**, and the grayscale version is **31.2895, 32.9190, 35.8488**.

A 20% lighter version of the original color is **69.1238, 61.7686, 77.3866**, and **16.1756, 13.0407, 17.8842** is the 20% darker color. If you saturate the color by 10%, you get **33.3113, 26.1149, 36.3231**, and if you desaturate by 10%, it is **40.0196, 37.3176, 45.3847**.

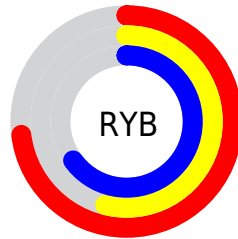
Distribution



Red (73%)

Green (54%)

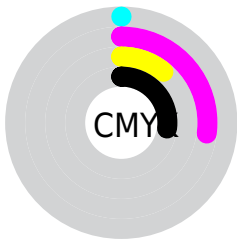
Blue (65%)



Red (73%)

Yellow (54%)

Blue (65%)

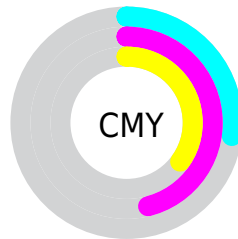


Cyan (0%)

Magenta (27%)

Yellow (11%)

Black (27%)



Cyan (27%)


Magenta (46%)


Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4142, 31.2461, 40.6711 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 36.4142, 31.2461, 40.6711 by changing the saturation by 10% instead.


 36.4142, 31.2461,
40.6711


 36.4142, 31.2461,
40.6711


322.1671,
307.6705, 364.5800

 24.9258, 20.7863,
27.7444


 68.9906, 61.6273,
77.4326

 16.1503, 12.9679,
17.8957


 90.8093, 82.3176,
102.1045

 9.7221, 7.4064,
10.7065


 116.8023,
107.1867, 131.5285

 5.2759, 3.7176,
5.7581

147.3348,
136.6192, 166.1233

 2.4465, 1.5169,
2.6322

182.7721,
170.9995, 206.3072

 0.8683, 0.3005,
0.9090

223.4797,

 0.0000, 0.0000,

210.7118, 252.4990

0.0000

269.8229,
256.1407, 305.1170

■ 36.4142, 31.2461,
40.6711

■ 36.4142, 31.2461,
40.6711

■ 33.3113, 26.1149,
36.3231

■ 40.0196, 37.3176,
45.3847

■ 30.6838, 21.8718,
32.3274

■ 44.1476, 44.3694,
50.4727

■ 28.5059, 18.4663,
28.6722

■ 48.8202, 52.4444,
55.9460

■ 26.7485, 15.8408,
25.3444

■ 54.0576, 61.5819,
61.8144

■ 25.3784, 13.9305,
22.3293

■ 59.8787, 71.8189,
68.0873

■ 24.3573, 12.6599,
19.6105

■ 66.3018, 83.1906,
74.7735

■ 23.6336, 11.9269,
17.1670

■ 69.0879, 87.2186,
80.4632

■ 23.4292, 11.7391,
16.4174

■ 70.0974, 87.6224,
85.7792

■ 71.1518, 88.0441,
91.3314

Harmonies

Analogous

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



34.2456, 31.2461, 50.5366



36.4142, 31.2461, 40.6711



36.7050, 31.2461, 30.5923

Triad

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



36.4142, 31.2461, 40.6711



28.4756, 31.2461, 18.5604



24.9518, 31.2461, 48.0010

Complementary

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



36.4142, 31.2461, 40.6711



34.1739, 43.2942, 38.4556

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.



23.6456, 31.2461, 37.6983



36.4142, 31.2461, 40.6711



25.5728, 31.2461, 21.5648

Square

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



36.4142, 31.2461, 40.6711



31.9376, 31.2461, 19.0488



23.8638, 31.2461, 28.1397



27.5666, 31.2461, 55.3027

Rectangle

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



36.4142, 31.2461, 40.6711



35.7719, 31.2461, 25.1964



23.8638, 31.2461, 28.1397



24.3546, 31.2461, 44.6991

Sweetspot

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



36.4151, 31.2475, 40.6718



77.9797, 77.5966, 89.0848



31.8212, 28.6488, 50.8667



16.9166, 16.6495, 19.3074



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.



36.4151, 31.2475, 40.6718



61.8983, 50.4497, 68.2613



34.3228, 30.4106, 29.6536



9.7640, 9.6299, 11.1460



16.1792, 8.1029, 11.5034



0.6652, 0.3300, 0.6164

Inverse Universe

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



36.4151, 31.2475, 40.6718



61.8983, 50.4497, 68.2613



36.5313, 44.2371, 50.8698



9.7640, 9.6299, 11.1460



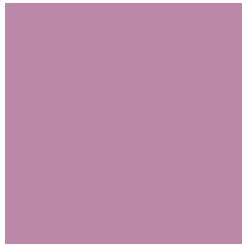
16.1792, 8.1029, 11.5034



0.6652, 0.3300, 0.6164

Previews

White Background



This preview shows how the XYZ color 36.4142, 31.2461, 40.6711 looks on a white background.

Color Contrast Check

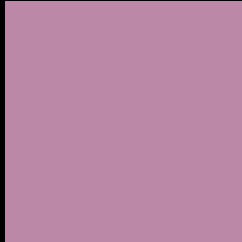
Large Text (above 18pt) WCAG AA × Fail

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 36.4142, 31.2461, 40.6711 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 36.4142, 31.2461, 40.6711

Background



This preview shows how black text looks on a background with the XYZ color 36.4142, 31.2461, 40.6711.



This preview shows how white text looks on a background with the XYZ color 36.4142, 31.2461,

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

36.4142, 31.2461, 40.6711

Protanopia

30.9357, 31.4709, 45.5183

Deuteranopia

32.0794, 31.4735, 39.9815



Tritanopia

34.9716, 31.3048, 33.4774

Trichromacy



Original Color

36.4142, 31.2461, 40.6711

Protanomaly

32.7220, 31.2563, 43.8436

Deuteranomaly

33.4338, 31.2457, 40.3453

Tritanomaly

35.5681, 31.3387, 36.0726

Monochromacy



Original Color

36.4142, 31.2461, 40.6711

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

32.7843, 31.8985, 37.2300

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4142, 31.2461, 40.6711 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, 137, 167)` looks like.

```
.text, #text, p{  
    color:rgb(187, 137, 167)  
}
```

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, 137, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 137, 167) }
```

Border

The CSS property to change the border of an element to XYZ 36.4142, 31.2461, 40.6711 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, 137, 167) }
```


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

```
.border{ border-color:rgb(187, 137, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 137, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 137, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 137, 167);  
box-shadow:4px 4px 4px 4px rgb(187, 137,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4142, 31.2461, 40.6711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 137, 167) }
```

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

```
.background{ background-color: rgb(187,  
137, 167) }
```

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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