

Converting Colors

XYZ(36.7882, 31.3417, 45.1677)

Have a look what the booklet for
XYZ(36.7882, 31.3417, 45.1677)
contains.

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Color

**XYZ(36.7897, 31.3402,
45.1845)**

Conversions

Conversions Part 1

Format	Color
Hex	B989B0
RGB	185, 137, 176
RGB Percent	73%, 54%, 69%
CMY	0.2745, 0.4627, 0.3098
CMYK	0.00, 0.26, 0.05, 0.27
HSL	311°, 26%, 63%
HSV	311°, 26%, 73%
XYZ	36.7897, 31.3402, 45.1845
YIQ	155.7980, 16.0890, 22.3050

Conversions

Conversions Part 2

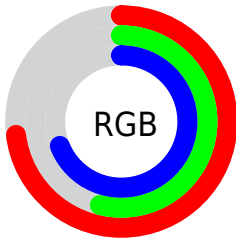
Format	Color
R_{YB}	185, 137, 176
Decimal	12159408
CIE _{Lab}	62.79, 24.76, -13.33
CIE _{LCh}	63, 28.120, 331.710
Yxy	31.3402, 0.3247, 0.2766
Android (android.graphics.Color)	4290349488 (0xFFB989B0)
YUV	155.7980, 9.9596, 25.6102
Hunter-Lab	55.9823, 19.3351, -8.6666

Details

The XYZ color **36.7897, 31.3402, 45.1845** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **32.8551, 42.0925, 33.5890**, and the grayscale version is **31.4627, 33.1012, 36.0473**.

A 20% lighter version of the original color is **69.8142, 61.9650, 84.6248**, and **16.2630, 12.9109, 20.3738** is the 20% darker color. If you saturate the color by 10%, you get **34.0434, 26.3894, 42.5974**, and if you desaturate by 10%, it is **39.9976, 37.1991, 47.9694**.

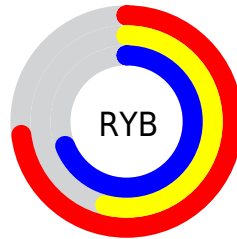
Distribution



Red (73%)

Green (54%)

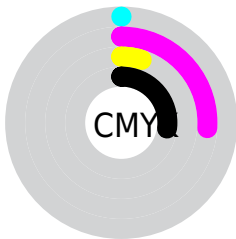
Blue (69%)



Red (73%)

Yellow (54%)

Blue (69%)

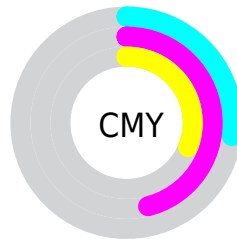


Cyan (0%)

Magenta (26%)

Yellow (5%)

Black (27%)



Cyan (27%)


Magenta (46%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7897, 31.3402, 45.1845 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 36.7897, 31.3402, 45.1845 by changing the saturation by 10% instead.


 36.7897, 31.3402,
45.1845


 36.7897, 31.3402,
45.1845


323.7705,
308.1026, 383.7022


 25.2176, 20.8580,
31.2588


 69.5652, 61.7753,
84.3186

 16.3689, 13.0203,
20.5359

 91.4993, 82.4970,
110.3640

 9.8780, 7.4425,
12.5972


 117.6181,
107.4007, 141.2864

 5.3798, 3.7403,
7.0243

148.2870,
136.8708, 177.5044

 2.5088, 1.5294,
3.3986

183.8713,
171.2916, 219.4364

 0.8997, 0.3093,
1.3016

224.7365,

 0.0000, 0.0000,

211.0476, 267.5010

0.0631

271.2477,
256.5231, 322.1167

■ 0.0000, 0.0000,
0.0000

■ 36.7897, 31.3402,
45.1845

■ 36.7897, 31.3402,
45.1845

■ 34.0434, 26.3894,
42.5974

■ 39.9976, 37.1991,
47.9694

■ 31.7327, 22.2965,
40.1981

■ 43.6856, 44.0046,
50.9577

■ 29.8335, 19.0127,
37.9787

■ 47.8748, 51.7982,
54.1569

■ 28.3182, 16.4829,
35.9295

■ 52.5841, 60.6176,
57.5737

■ 27.1555, 14.6448,
34.0398

■ 57.8313, 70.4985,
61.2143

■ 26.3094, 13.4262,
32.2973

■ 63.6336, 81.4750,
65.0848

■ 25.7336, 12.7350,
30.6863

■ 66.2264, 86.0178,
67.9306

■ 25.5379, 12.5264,
30.0571

■ 66.6373, 86.1822,
70.0945

■ 67.0575, 86.3503,
72.3072

Harmonies

Analogous

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



33.8486, 31.3402, 55.5119



36.7897, 31.3402, 45.1845



37.8126, 31.3402, 33.4959

Triad

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



36.7897, 31.3402, 45.1845



29.5677, 31.3402, 17.0235



23.9264, 31.3402, 46.5177

Complementary

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



36.7897, 31.3402, 45.1845



32.8551, 42.0925, 33.5890

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.



22.9874, 31.3402, 34.7602



36.7897, 31.3402, 45.1845



26.0657, 31.3402, 19.0852

Square

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



36.7897, 31.3402, 45.1845



33.4340, 31.3402, 18.6593



23.7361, 31.3402, 25.0343



26.4170, 31.3402, 56.3909

Rectangle

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



36.7897, 31.3402, 45.1845



37.2045, 31.3402, 26.8707



23.7361, 31.3402, 25.0343



23.4290, 31.3402, 42.5779

Sweetspot

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



36.7906, 31.3416, 45.1852



76.7198, 75.9969, 90.0616



29.5225, 27.4884, 49.6493



16.3197, 15.9776, 19.2398



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.



36.7906, 31.3416, 45.1852



63.0549, 51.0032, 78.3047



34.6383, 30.4806, 33.8508



9.3067, 9.1331, 10.9627



17.4140, 8.5393, 20.5985



0.6328, 0.3086, 0.8258

Inverse Universe

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



36.7906, 31.3416, 45.1852



63.0549, 51.0032, 78.3047



34.9034, 42.9119, 44.3753



9.3067, 9.1331, 10.9627



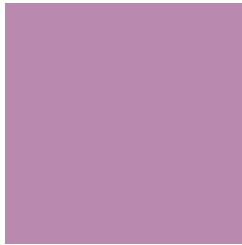
17.4140, 8.5393, 20.5985



0.6328, 0.3086, 0.8258

Previews

White Background



This preview shows how the XYZ color 36.7897, 31.3402, 45.1845 looks on a white background.

Color Contrast Check

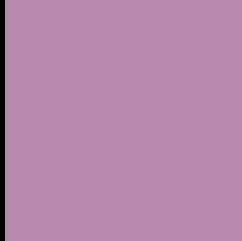
Large Text (above 18pt) WCAG AA × Fail

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 36.7897, 31.3402, 45.1845 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 36.7897, 31.3402, 45.1845

Background



This preview shows how black text looks on a background with the XYZ color 36.7897, 31.3402, 45.1845.



This preview shows how white text looks on a background with the XYZ color 36.7897, 31.3402,

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

36.7897, 31.3402, 45.1845

Protanopia

31.3252, 31.5653, 50.3406

Deuteranopia

32.1345, 31.4039, 44.4123



Tritanopia

34.4838, 31.2618, 33.9224

Trichromacy



Original Color

36.7897, 31.3402, 45.1845

Protanomaly

33.0205, 31.3061, 48.5583

Deuteranomaly

33.6475, 31.2572, 44.8173

Tritanomaly

35.3395, 31.3967, 37.9158

Monochromacy



Original Color

36.7897, 31.3402, 45.1845

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 36.7897, 31.3402, 45.1845 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(185, 137, 176)  
}
```

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, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 137, 176) }
```

Border

The CSS property to change the border of an element to XYZ 36.7897, 31.3402, 45.1845 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, 176) }
```


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

```
.border{ border-color:rgb(185, 137, 176) }
```

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, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 137, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 137, 176);  
box-shadow:4px 4px 4px 4px rgb(185, 137,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7897, 31.3402, 45.1845 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, 176) }
```

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

```
.background{ background-color: rgb(185,  
137, 176) }
```

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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