

Converting Colors

XYZ(34.6993, 28.7779, 46.3790)

Have a look what the booklet for
XYZ(34.6993, 28.7779, 46.3790)
contains.

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Color

**XYZ(34.7097, 28.8036,
46.3781)**

Conversions

Conversions Part 1

Format	Color
Hex	B382B3
RGB	179, 130, 179
RGB Percent	70%, 51%, 70%
CMY	0.2980, 0.4902, 0.2980
CMYK	0.00, 0.27, 0.00, 0.30
HSL	300°, 24%, 61%
HSV	300°, 27%, 70%
XYZ	34.7097, 28.8036, 46.3781
YIQ	150.2370, 13.4750, 25.6270

Conversions

Conversions Part 2

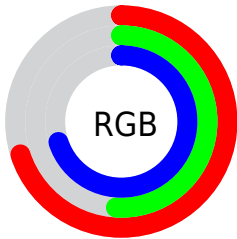
Format	Color
R_{YB}	179, 130, 179
Decimal	11764403
CIE _{Lab}	60.61, 27.18, -18.40
CIE _{LCh}	61, 32.823, 325.908
Yxy	28.8036, 0.3159, 0.2621
Android (android.graphics.Color)	4289954483 (0xFFB382B3)
YUV	150.2370, 14.1802, 25.2252
Hunter-Lab	53.6690, 21.5218, -13.6672

Details

The XYZ color **34.7097, 28.8036, 46.3781** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **29.3564, 38.5986, 27.0236**, and the grayscale version is **29.0284, 30.5401, 33.2582**.

A 20% lighter version of the original color is **66.1898, 57.5273, 86.2126**, and **15.0920, 11.6037, 21.1830** is the 20% darker color. If you saturate the color by 10%, you get **32.5331, 24.4498, 45.6528**, and if you desaturate by 10%, it is **37.3023, 33.9883, 47.2427**.

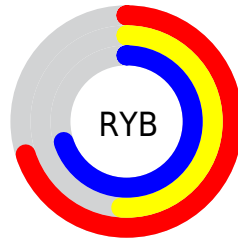
Distribution



Red (70%)

Green (51%)

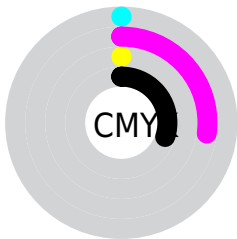
Blue (70%)



Red (70%)

Yellow (51%)

Blue (70%)

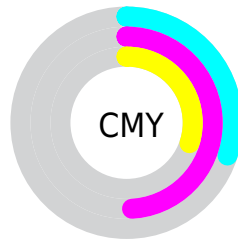


Cyan (0%)

Magenta (27%)

Yellow (0%)

Black (30%)



Cyan (30%)


Magenta (49%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7097, 28.8036, 46.3781 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 34.7097, 28.8036, 46.3781 by changing the saturation by 10% instead.


 34.7097, 28.8036,
46.3781


 34.7097, 28.8036,
46.3781


314.8156,
296.2872, 388.6483


 23.6048, 18.9323,
32.1935


 66.3728, 57.7649,
86.1248

 15.1639, 11.6214,
21.2433


 87.6617, 77.6237,
112.5240

 9.0215, 6.4864,
13.1090


 113.0760,
101.5804, 143.8317

 4.8125, 3.1430,
7.3720

142.9810,
130.0195, 180.4666

 2.1713, 1.2069,
3.6139

177.7421,
163.3253, 222.8472

 0.7275, 0.0673,
1.4160

217.7247,

 0.0000, 0.0000,

201.8823, 271.3920

0.1542

263.2941,
246.0748, 326.5195

■ 0.0000, 0.0000,
0.0000

■ 34.7097, 28.8036,
46.3781

■ 34.7097, 28.8036,
46.3781

■ 32.5331, 24.4498,
45.6528

■ 37.3023, 33.9883,
47.2427

■ 30.7483, 20.8802,
45.0578

■ 40.3281, 40.0399,
48.2513

■ 29.3328, 18.0494,
44.5859

■ 43.8066, 46.9968,
49.4109

■ 28.2609, 15.9055,
44.2286

■ 47.7553, 54.8942,
50.7272

■ 27.5033, 14.3903,
43.9760

■ 52.1909, 63.7653,
52.2058

■ 27.0259, 13.4357,
43.8168

■ 57.1290, 73.6415,
53.8519

■ 26.7784, 12.9406,
43.7342

■ 62.4875, 84.3586,
55.6381

■ 26.7274, 12.8385,
43.7172

■ 62.4875, 84.3586,
55.6382

■ 62.4876, 84.3586,
55.6383

Harmonies

Analogous

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



31.1012, 28.8036, 57.4448



34.7097, 28.8036, 46.3781



36.3542, 28.8036, 33.0604

Triad

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



34.7097, 28.8036, 46.3781



27.9637, 28.8036, 13.3439



20.6705, 28.8036, 42.7274

Complementary

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



34.7097, 28.8036, 46.3781



29.3564, 38.5986, 27.0236

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.



20.0145, 28.8036, 29.7232



34.7097, 28.8036, 46.3781



23.9626, 28.8036, 14.6819

Square

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



34.7097, 28.8036, 46.3781



32.2128, 28.8036, 15.7109



21.1573, 28.8036, 19.9974



23.0511, 28.8036, 54.9831

Rectangle

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



34.7097, 28.8036, 46.3781



36.0028, 28.8036, 25.3802



21.1573, 28.8036, 19.9974



20.2523, 28.8036, 38.2173

Sweetspot

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



34.7106, 28.8049, 46.3787



71.7842, 70.8266, 86.2685



25.3265, 23.9672, 45.9397



15.7149, 15.3138, 19.0498



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.



34.7106, 28.8049, 46.3787



59.6678, 46.5938, 82.2294



32.4485, 27.9000, 34.4668



8.8501, 8.6467, 10.7089



18.8866, 9.0722, 30.8922



0.5943, 0.2854, 0.9720

Inverse Universe

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



34.7106, 28.8049, 46.3787



59.6678, 46.5938, 82.2294



31.2016, 39.3367, 36.7400



8.8501, 8.6467, 10.7089



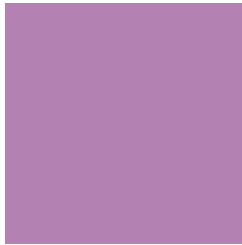
18.8866, 9.0722, 30.8922



0.5943, 0.2854, 0.9720

Previews

White Background



This preview shows how the XYZ color 34.7097, 28.8036, 46.3781 looks on a white background.

Color Contrast Check

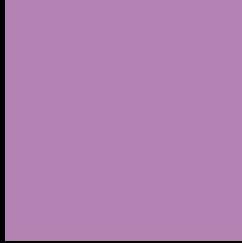
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.7097, 28.8036, 46.3781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

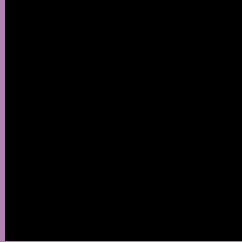
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.7097, 28.8036, 46.3781

Background



This preview shows how black text looks on a background with the XYZ color 34.7097, 28.8036, 46.3781.



This preview shows how white text looks on a background with the XYZ color 34.7097, 28.8036,

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

34.7097, 28.8036, 46.3781

Protanopia

29.4113, 29.1194, 52.7857

Deuteranopia

29.6123, 28.9302, 45.6183



Tritanopia

31.7498, 28.8289, 31.4949

Trichromacy



Original Color

34.7097, 28.8036, 46.3781

Protanomaly

31.0035, 28.8806, 50.3948

Deuteranomaly

31.2249, 28.6604, 46.0058

Tritanomaly

32.6876, 28.7835, 36.6338

Monochromacy



Original Color

34.7097, 28.8036, 46.3781

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.9534, 29.7952, 37.8378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7097, 28.8036, 46.3781 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(179, 130, 179)` looks like.

```
.text, #text, p{  
    color:rgb(179, 130, 179)  
}
```

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(179, 130, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 130, 179) }
```

Border

The CSS property to change the border of an element to XYZ 34.7097, 28.8036, 46.3781 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(179, 130, 179) }
```


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

```
.border{ border-color:rgb(179, 130, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 130, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 130, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 130, 179);  
box-shadow:4px 4px 4px 4px rgb(179, 130,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7097, 28.8036, 46.3781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 130, 179) }
```

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

```
.background{ background-color: rgb(179,  
130, 179) }
```

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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