

Converting Colors

XYZ(33.6900, 27.7001, 43.7116)

Have a look what the booklet for
XYZ(33.6900, 27.7001, 43.7116)
contains.

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Color

**XYZ(33.8198, 27.8184,
43.6314)**

Conversions

Conversions Part 1

Format	Color
Hex	B37FAE
RGB	179, 127, 174
RGB Percent	70%, 50%, 68%
CMY	0.2980, 0.5019, 0.3176
CMYK	0.00, 0.29, 0.03, 0.30
HSL	306°, 25%, 60%
HSV	306°, 29%, 70%
XYZ	33.8198, 27.8184, 43.6314
YIQ	147.9060, 15.9050, 25.6410

Conversions

Conversions Part 2

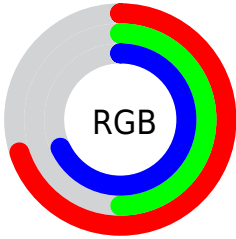
Format	Color
R _Y B	179, 127, 174
Decimal	11763630
CIE Lab	59.72, 27.91, -16.89
CIE LCh	60, 32.623, 328.819
Yxy	27.8184, 0.3213, 0.2643
Android (android.graphics.Color)	4289953710 (0xFFB37FAE)
YUV	147.9060, 12.8643, 27.2694
Hunter-Lab	52.7432, 22.1567, -12.1270

Details

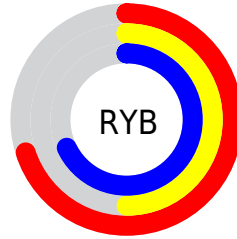
The XYZ color **33.8198, 27.8184, 43.6314** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **29.0385, 38.4192, 27.7165**, and the grayscale version is **28.0533, 29.5142, 32.1410**.

A 20% lighter version of the original color is **64.8651, 56.0179, 82.2567**, and **14.6242, 11.0729, 19.7789** is the 20% darker color. If you saturate the color by 10%, you get **31.5437, 23.5326, 42.0502**, and if you desaturate by 10%, it is **36.5105, 32.9289, 45.3620**.

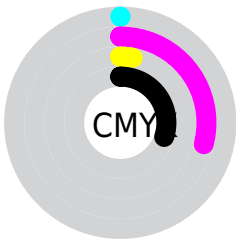
Distribution



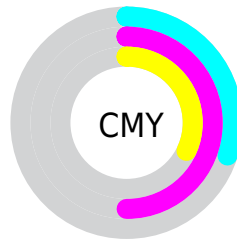
- Red (70%)
- Green (50%)
- Blue (68%)



- Red (70%)
- Yellow (50%)
- Blue (68%)



- Cyan (0%)
- Magenta (29%)
- Yellow (3%)
- Black (30%)



- Cyan (30%)
- Magenta (50%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8198, 27.8184, 43.6314 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 33.8198, 27.8184, 43.6314 by changing the saturation by 10% instead.

■ 33.8198, 27.8184,
43.6314

■ 33.8198, 27.8184,
43.6314

310.9279,
291.5981, 377.1992

■ 22.9174, 18.1888,
30.0458

■ 64.9995, 56.1944,
81.9594

■ 14.6529, 11.0856,
19.6210

■ 86.0075, 75.7096,
107.5388

■ 8.6609, 6.1245,
11.9385

■ 111.1148, 99.2887,
137.9532

■ 4.5760, 2.9209,
6.5798

140.6868,
127.3163, 173.6211

■ 2.0329, 1.0906,
3.1263

175.0887,
160.1766, 214.9612

■ 0.6523, 0.0000,
1.1595

214.6859,

■ 0.0000, 0.0000,

198.2541, 262.3918

0.0000

259.8439,
241.9331, 316.3317

■ 33.8198, 27.8184,
43.6314

■ 33.8198, 27.8184,
43.6314

■ 31.5437, 23.5326,
42.0502

■ 36.5105, 32.9289,
45.3620

■ 29.6578, 20.0243,
40.6094

■ 39.6333, 38.9008,
47.2469

■ 28.1393, 17.2474,
39.3016

■ 43.2079, 45.7728,
49.2932

■ 26.9618, 15.1490,
38.1180

■ 47.2521, 53.5804,
51.5067

■ 26.0955, 13.6695,
37.0485

■ 51.7826, 62.3571,
53.8931

■ 25.5052, 12.7388,
36.0814

■ 56.8152, 72.1347,
56.4577

■ 25.1264, 12.2277,
35.1952

■ 62.3653, 82.9436,
59.2056

■ 25.0934, 12.1849,
35.1125

■ 63.4033, 84.7249,
60.4603

■ 63.5898, 84.7995,
61.4421

Harmonies

Analogous

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



30.4493, 27.8184, 54.8556



33.8198, 27.8184, 43.6314



35.1854, 27.8184, 30.7599

Triad

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



33.8198, 27.8184, 43.6314



26.6043, 27.8184, 12.7877



20.0849, 27.8184, 42.6057

Complementary

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



33.8198, 27.8184, 43.6314



29.0385, 38.4192, 27.7165

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.



19.2799, 27.8184, 29.8240



33.8198, 27.8184, 43.6314



22.8001, 27.8184, 14.4336

Square

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



33.8198, 27.8184, 43.6314



30.7613, 27.8184, 14.7210



20.2213, 27.8184, 19.9892



22.5446, 27.8184, 54.1632

Rectangle

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



33.8198, 27.8184, 43.6314



34.6771, 27.8184, 23.5397



20.2213, 27.8184, 19.9892



19.6239, 27.8184, 38.2200

Sweetspot

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



33.8207, 27.8196, 43.6320



70.9191, 69.5505, 84.5802



25.1390, 23.2867, 45.8184



15.5227, 15.0458, 18.6270



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.



33.8207, 27.8196, 43.6320



57.8216, 44.6383, 76.2598



31.5791, 26.9230, 31.8279



8.8141, 8.6324, 10.5195



17.7450, 8.6156, 24.8811



0.5685, 0.2751, 0.8363

Inverse Universe

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



33.8207, 27.8196, 43.6320



57.8216, 44.6383, 76.2598



30.9879, 39.1989, 37.9817



8.8141, 8.6324, 10.5195



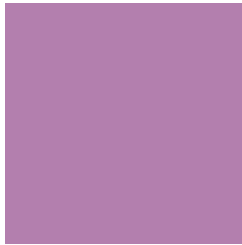
17.7450, 8.6156, 24.8811



0.5685, 0.2751, 0.8363

Previews

White Background



This preview shows how the XYZ color 33.8198, 27.8184, 43.6314 looks on a white background.

Color Contrast Check

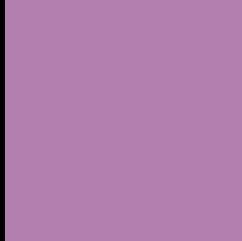
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.8198, 27.8184, 43.6314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

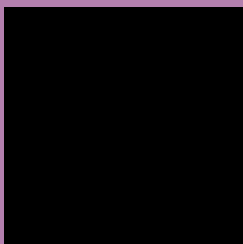
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.8198, 27.8184, 43.6314

Background



This preview shows how black text looks on a background with the XYZ color 33.8198, 27.8184, 43.6314.



This preview shows how white text looks on a background with the XYZ color 33.8198, 27.8184,

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

33.8198, 27.8184, 43.6314

Protanopia

28.2523, 28.1342, 49.8403

Deuteranopia

28.5526, 28.0098, 42.4296



Tritanopia

31.0247, 27.8722, 29.7313

Trichromacy



Original Color

33.8198, 27.8184, 43.6314

Protanomaly

29.8638, 27.7115, 47.4909

Deuteranomaly

30.1552, 27.7550, 42.7976

Tritanomaly

31.8535, 27.7958, 34.2581

Monochromacy



Original Color

33.8198, 27.8184, 43.6314

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.7620, 28.5614, 35.8426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8198, 27.8184, 43.6314 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, 127, 174)` looks like.

```
.text, #text, p{  
    color:rgb(179, 127, 174)  
}
```

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, 127, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 127, 174) }
```

Border

The CSS property to change the border of an element to XYZ 33.8198, 27.8184, 43.6314 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, 127, 174) }
```


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

```
.border{ border-color:rgb(179, 127, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 127, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 127, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 127, 174);  
box-shadow:4px 4px 4px 4px rgb(179, 127,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8198, 27.8184, 43.6314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 127, 174) }
```

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

```
.background{ background-color: rgb(179,  
127, 174) }
```

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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