

Converting Colors

XYZ(36.6852, 33.6632, 46.6146)

Have a look what the booklet for
XYZ(36.6852, 33.6632, 46.6146)
contains.

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Color

**XYZ(36.7572, 33.7413,
46.6949)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | B194B2 |
| RGB | 177, 148, 178 |
| RGB Percent | 69%, 58%, 70% |
| CMY | 0.3059, 0.4196, 0.3020 |
| CMYK | 0.01, 0.17, 0.00, 0.30 |
| HSL | 298°, 16%, 64% |
| HSV | 298°, 17%, 70% |
| XYZ | 36.7572, 33.7413, 46.6949 |
| YIQ | 160.0910, 7.6540, 15.4780 |

Conversions

Conversions Part 2

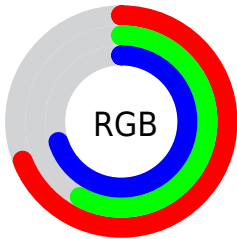
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 177, 148, 178 |
| Decimal | 11637938 |
| CIE _{Lab} | 64.76, 16.19, -11.59 |
| CIE _{LCh} | 65, 19.912, 324.414 |
| Yxy | 33.7413, 0.3136, 0.2879 |
| Android (android.graphics.Color) | 4289828018 (0xFFB194B2) |
| YUV | 160.0910, 8.8291, 14.8292 |
| Hunter-Lab | 58.0873, 11.3008, -7.0007 |

Details

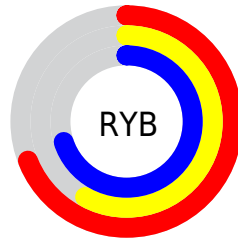
The XYZ color **36.7572, 33.7413, 46.6949** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **33.6615, 40.3694, 34.0367**, and the grayscale version is **33.4145, 35.1547, 38.2834**.

A 20% lighter version of the original color is **69.5761, 65.5052, 86.8186**, and **16.2885, 14.3151, 21.3066** is the 20% darker color. If you saturate the color by 10%, you get **34.0426, 28.5117, 45.8291**, and if you desaturate by 10%, it is **39.9038, 39.8328, 47.7053**.

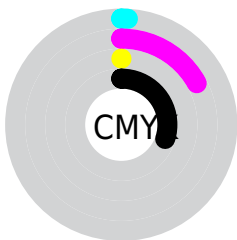
Distribution



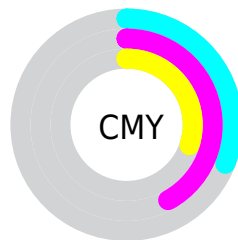
- Red (69%)
- Green (58%)
- Blue (70%)



- Red (69%)
- Yellow (58%)
- Blue (70%)



- Cyan (1%)
- Magenta (17%)
- Yellow (0%)
- Black (30%)



- Cyan (31%)
- Magenta (42%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7572, 33.7413, 46.6949 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 36.7572, 33.7413, 46.6949 by changing the saturation by 10% instead.

 36.7572, 33.7413,
46.6949


 36.7572, 33.7413,
46.6949


323.6320,
318.9770, 389.9538

 25.1924, 22.6949,
32.4419


 69.5155, 65.5312,
86.6032

 16.3499, 14.3684,
21.4317


 91.4396, 87.0435,
113.0957

 9.8645, 8.3773,
13.2456


117.5475,
112.8132, 144.5050

 5.3708, 4.3373,
7.4652

148.2047,
143.2247, 181.2497

 2.5034, 1.8640,
3.6718

183.7763,
178.6625, 223.7484

 0.8970, 0.5266,
1.4471

224.6278,

 0.0000, 0.0000,

219.5108, 272.4197

0.1781

271.1246,
266.1542, 327.6819

■ 0.0000, 0.0000,
0.0000

■ 36.7572, 33.7413,
46.6949

■ 36.7572, 33.7413,
46.6949

■ 34.0426, 28.5117,
45.8291

■ 39.9038, 39.8328,
47.7053

■ 31.7373, 24.1005,
45.0991

■ 43.4976, 46.8185,
48.8643

■ 29.8213, 20.4671,
44.4988

■ 47.5570, 54.7342,
50.1782

■ 28.2717, 17.5656,
44.0204

■ 52.0981, 63.6127,
51.6526

■ 27.0631, 15.3452,
43.6555

■ 57.1366, 73.4850,
53.2926

■ 26.1670, 13.7489,
43.3946

■ 62.6872, 84.3808,
55.1032

■ 25.5501, 12.7101,
43.2266

■ 62.8885, 84.5769,
55.1304

■ 25.1656, 12.1353,
43.1360

■ 63.0281, 84.6489,
55.1369

■ 25.0638, 11.9925,
43.1138

■ 63.1683, 84.7212,
55.1435

Harmonies

Analogous

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



34.3991, 33.7413, 53.0407



36.7572, 33.7413, 46.6949



37.8652, 33.7413, 38.2941

Triad

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



36.7572, 33.7413, 46.6949



32.6088, 33.7413, 23.1786



27.3152, 33.7413, 43.6460

Complementary

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



36.7572, 33.7413, 46.6949



33.6615, 40.3694, 34.0367

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.



26.8987, 33.7413, 35.2257



36.7572, 33.7413, 46.6949



29.8487, 33.7413, 24.1742

Square

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



36.7572, 33.7413, 46.6949



35.3805, 33.7413, 25.3535



27.7994, 33.7413, 28.3087



28.9729, 33.7413, 51.1050

Rectangle

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



36.7572, 33.7413, 46.6949



37.7011, 33.7413, 32.9530



27.7994, 33.7413, 28.3087



27.0297, 33.7413, 40.8034

Sweetspot

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



36.7582, 33.7428, 46.6956



73.4529, 74.3501, 86.8608



31.0769, 31.1655, 46.4976



16.1777, 16.2863, 19.2132



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.



36.7582, 33.7428, 46.6956



64.8504, 57.7016, 84.1007



35.6972, 33.3448, 39.9151



8.8215, 8.6320, 10.7075



17.9442, 8.5864, 30.8486



0.5732, 0.2746, 0.9710

Inverse Universe

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



34.3761, 32.8163, 32.9580



59.7678, 55.7264, 54.7251



34.6116, 40.7285, 39.9883



8.5075, 8.5097, 8.9047



13.1648, 6.7835, 0.7620



0.4180, 0.2149, 0.0439

Previews

White Background



This preview shows how the XYZ color 36.7572, 33.7413, 46.6949 looks on a white background.

Color Contrast Check

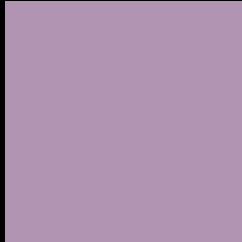
Large Text (above 18pt) WCAG AA × Fail

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 36.7572, 33.7413, 46.6949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

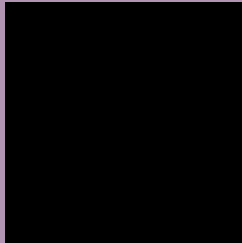
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.7572, 33.7413, 46.6949

Background



This preview shows how black text looks on a background with the XYZ color 36.7572, 33.7413, 46.6949.



This preview shows how white text looks on a background with the XYZ color 36.7572, 33.7413,

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

36.7572, 33.7413, 46.6949

Protanopia

33.3846, 33.8712, 49.5780

Deuteranopia

34.4313, 33.7433, 46.2934



Tritanopia

35.2674, 33.8558, 38.8585

Trichromacy



Original Color

36.7572, 33.7413, 46.6949

Protanomaly

34.4297, 33.6957, 48.4053

Deuteranomaly

35.1509, 33.6324, 46.2340

Tritanomaly

35.8787, 33.8700, 41.6923

Monochromacy



Original Color

36.7572, 33.7413, 46.6949

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

34.5894, 34.6739, 41.4289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7572, 33.7413, 46.6949 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(177, 148, 178)` looks like.

```
.text, #text, p{  
    color:rgb(177, 148, 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(177, 148, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 148, 178) }
```

Border

The CSS property to change the border of an element to XYZ 36.7572, 33.7413, 46.6949 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(177, 148, 178) }
```


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

```
.border{ border-color:rgb(177, 148, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 148, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 148, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 148, 178);  
box-shadow:4px 4px 4px 4px rgb(177, 148,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7572, 33.7413, 46.6949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 148, 178) }
```

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

```
.background{ background-color: rgb(177,  
148, 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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