

Converting Colors

XYZ(37.4949, 33.0010, 45.6968)

Have a look what the booklet for
XYZ(37.4949, 33.0010, 45.6968)
contains.

XYZ(37.4261, 32.9699, 45.4655)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.4261, 32.9699,
45.4655)**

Conversions

Conversions Part 1

Format	Color
Hex	B88FB0
RGB	184, 143, 176
RGB Percent	72%, 56%, 69%
CMY	0.2784, 0.4392, 0.3098
CMYK	0.00, 0.22, 0.04, 0.28
HSL	312°, 22%, 64%
HSV	312°, 22%, 72%
XYZ	37.4261, 32.9699, 45.4655
YIQ	159.0210, 13.8430, 18.9550

Conversions

Conversions Part 2

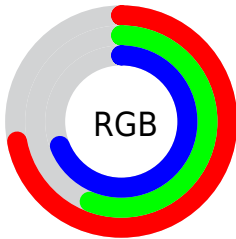
Format	Color
RYB	184, 143, 176
Decimal	12095408
CIELab	64.14, 21.06, -11.32
CIELCh	64, 23.912, 331.743
Yxy	32.9699, 0.3230, 0.2846
Android (android.graphics.Color)	4290285488 (0xFFB88FB0)
YUV	159.0210, 8.3706, 21.9066
Hunter-Lab	57.4194, 15.8627, -6.7531

Details

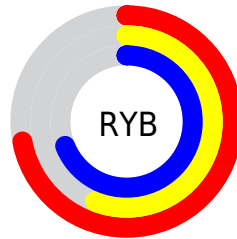
The XYZ color **37.4261, 32.9699, 45.4655** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **34.0555, 42.3559, 35.6607**, and the grayscale version is **32.9236, 34.6382, 37.7210**.

A 20% lighter version of the original color is **70.4669, 64.2840, 85.0380**, and **16.7624, 13.9096, 20.5402** is the 20% darker color. If you saturate the color by 10%, you get **34.5369, 27.7521, 42.7730**, and if you desaturate by 10%, it is **40.7797, 39.1005, 48.3600**.

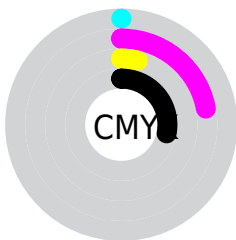
Distribution



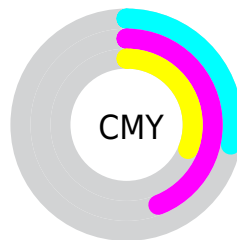
- Red (72%)
- Green (56%)
- Blue (69%)



- Red (72%)
- Yellow (56%)
- Blue (69%)



- Cyan (0%)
- Magenta (22%)
- Yellow (4%)
- Black (28%)





- Cyan (28%)
- Magenta (44%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4261, 32.9699, 45.4655 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 37.4261, 32.9699, 45.4655 by changing the saturation by 10% instead.


 37.4261, 32.9699,
45.4655

 37.4261, 32.9699,
45.4655

326.4752,
315.5141, 384.8706

 25.7128, 22.1034,
31.4786


 70.5372, 64.3285,
84.7443

 16.7404, 13.9329,
20.7021


 92.6657, 85.5894,
110.8734

 10.1438, 8.0740,
12.7173


118.9967,
111.0839, 141.8869

 5.5574, 4.1423,
7.1057

149.8954,
141.1964, 178.2035

 2.6159, 1.7535,
3.4489

185.7272,
176.3113, 220.2415

 0.9541, 0.4579,
1.3281

226.8576,

 0.0000, 0.0000,

216.8129, 268.4197

0.0847

273.6518,
263.0857, 323.1566

■ 0.0000, 0.0000,
0.0000

■ 37.4261, 32.9699,
45.4655

■ 37.4261, 32.9699,
45.4655

■ 34.5369, 27.7521,
42.7730

■ 40.7797, 39.1005,
48.3600

■ 32.0870, 23.3985,
40.2725

■ 44.6155, 46.1807,
51.4615

■ 30.0535, 19.8628,
37.9565

■ 48.9536, 54.2504,
54.7775

■ 28.4099, 17.0924,
35.8158

■ 53.8126, 63.3463,
58.3145

■ 27.1271, 15.0287,
33.8403

■ 59.2096, 73.5030,
62.0787

■ 26.1712, 13.6047,
32.0183

■ 65.1613, 84.7533,
66.0758

■ 25.5023, 12.7401,
30.3362

■ 66.0859, 85.9339,
68.4457

■ 25.1202, 12.3316,
29.1125

■ 66.5138, 86.1050,
70.6986

■ 66.9516, 86.2801,
73.0040

Harmonies

Analogous

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



34.8871, 32.9699, 54.1967



37.4261, 32.9699, 45.4655



38.3025, 32.9699, 35.3347

Triad

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



37.4261, 32.9699, 45.4655



31.1394, 32.9699, 20.3055



26.1217, 32.9699, 46.6245

Complementary

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



37.4261, 32.9699, 45.4655



34.0555, 42.3559, 35.6607

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.



25.2716, 32.9699, 36.4685



37.4261, 32.9699, 45.4655



28.0361, 32.9699, 22.2664

Square

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



37.4261, 32.9699, 45.4655



34.5201, 32.9699, 21.8566



25.9468, 32.9699, 27.7778



28.3556, 32.9699, 54.9461

Rectangle

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



37.4261, 32.9699, 45.4655



37.7790, 32.9699, 29.4273



25.9468, 32.9699, 27.7778



25.6722, 32.9699, 43.2553

Sweetspot

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



37.4271, 32.9714, 45.4662



77.4022, 77.2869, 90.5199



31.1486, 29.6405, 49.4274



16.5979, 16.4983, 19.4427



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.



37.4271, 32.9714, 45.4662



65.0346, 54.6753, 79.8498



35.5902, 32.2366, 35.7931



9.3038, 9.1319, 10.9470



17.3376, 8.5088, 20.1962



0.6307, 0.3078, 0.8147

Inverse Universe

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



37.4271, 32.9714, 45.4662



65.0346, 54.6753, 79.8498



35.8216, 43.0624, 44.9613



9.3038, 9.1319, 10.9470



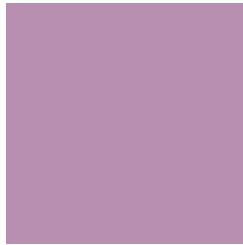
17.3376, 8.5088, 20.1962



0.6307, 0.3078, 0.8147

Previews

White Background



This preview shows how the XYZ color 37.4261, 32.9699, 45.4655 looks on a white background.

Color Contrast Check

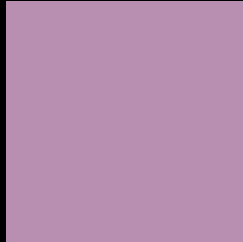
Large Text (above 18pt) WCAG AA × Fail

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 37.4261, 32.9699, 45.4655 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 37.4261, 32.9699, 45.4655

Background



This preview shows how black text looks on a background with the XYZ color 37.4261, 32.9699, 45.4655.



This preview shows how white text looks on a background with the XYZ color 37.4261, 32.9699,

45.4655.

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

37.4261, 32.9699, 45.4655

Protanopia

32.6805, 33.0141, 49.4497

Deuteranopia

33.7685, 33.1938, 44.6717



Tritanopia

35.7418, 32.9715, 36.8281

Trichromacy



Original Color

37.4261, 32.9699, 45.4655

Protanomaly

34.0449, 32.7894, 47.7146

Deuteranomaly

35.0629, 33.1361, 45.1053

Tritanomaly

36.4454, 33.0347, 40.0528

Monochromacy



Original Color

37.4261, 32.9699, 45.4655

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

34.3312, 33.8239, 40.3165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4261, 32.9699, 45.4655 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(184, 143, 176)` looks like.

```
.text, #text, p{  
    color:rgb(184, 143, 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(184, 143, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 143, 176) }
```

Border

The CSS property to change the border of an element to XYZ 37.4261, 32.9699, 45.4655 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(184, 143, 176) }
```


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

```
.border{ border-color:rgb(184, 143, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 143, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 143, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 143, 176);  
box-shadow:4px 4px 4px 4px rgb(184, 143,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4261, 32.9699, 45.4655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 143, 176) }
```

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

```
.background{ background-color: rgb(184,  
143, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor