

Converting Colors

XYZ(34.8283, 25.7261, 42.7453)

Have a look what the booklet for
XYZ(34.8283, 25.7261, 42.7453)
contains.

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Color

**XYZ(34.8229, 25.6818,
42.6569)**

Conversions

Conversions Part 1

Format	Color
Hex	BF70AD
RGB	191, 112, 173
RGB Percent	75%, 44%, 68%
CMY	0.2510, 0.5608, 0.3216
CMYK	0.00, 0.41, 0.09, 0.25
HSL	314°, 38%, 59%
HSV	314°, 41%, 75%
XYZ	34.8229, 25.6818, 42.6569
YIQ	142.5750, 27.5030, 35.7190

Conversions

Conversions Part 2

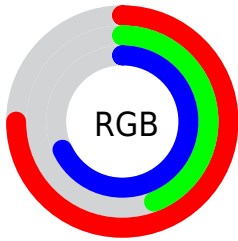
Format	Color
R _{YB}	191, 112, 173
Decimal	12546221
CIE _{Lab}	57.73, 39.96, -19.22
CIE _{LCh}	58, 44.339, 334.317
Yxy	25.6818, 0.3376, 0.2489
Android (android.graphics.Color)	4290736301 (0xFFBF70AD)
YUV	142.5750, 14.9995, 42.4687
Hunter-Lab	50.6772, 33.9713, -14.4326

Details

The XYZ color **34.8229, 25.6818, 42.6569** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **29.3433, 42.3190, 27.7426**, and the grayscale version is **25.8745, 27.2219, 29.6447**.

A 20% lighter version of the original color is **66.6649, 52.7071, 80.7886**, and **15.2733, 9.9522, 19.2051** is the 20% darker color. If you saturate the color by 10%, you get **32.5206, 21.7398, 39.8455**, and if you desaturate by 10%, it is **37.5875, 30.5256, 45.6906**.

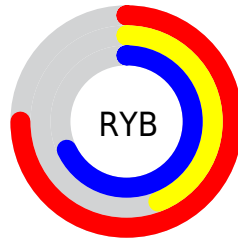
Distribution



Red (75%)

Green (44%)

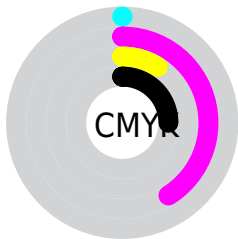
Blue (68%)



Red (75%)

Yellow (44%)

Blue (68%)

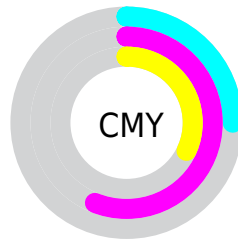


Cyan (0%)

Magenta (41%)

Yellow (9%)

Black (25%)



Cyan (25%)


Magenta (56%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8229, 25.6818, 42.6569 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 34.8229, 25.6818, 42.6569 by changing the saturation by 10% instead.


 34.8229, 25.6818,
42.6569


 34.8229, 25.6818,
42.6569


315.3077,
281.2165, 373.0785

 23.6924, 16.5857,
29.2866


 66.5472, 52.7612,
80.4736


 15.2291, 9.9396,
19.0503


 87.8716, 71.5133,
105.7572

 9.0677, 5.3589,
11.5294


 113.3247, 94.2528,
135.8489

 4.8428, 2.4594,
6.3055

 143.2718,
121.3643, 171.1672

 2.1891, 0.8562,
2.9599

178.0783,
153.2320, 212.1309

 0.7370, 0.0000,
1.0742

218.1095,

 0.0000, 0.0000,

190.2403, 259.1583

0.0000

263.7309,
232.7737, 312.6680

■ 34.8229, 25.6818,
42.6569

■ 34.8229, 25.6818,
42.6569

■ 32.5206, 21.7398,
39.8455

■ 37.5875, 30.5256,
45.6906

■ 30.6495, 18.6390,
37.2447

■ 40.8382, 36.3198,
48.9544

■ 29.1786, 16.3170,
34.8437

■ 44.5999, 43.1136,
52.4574

■ 28.0714, 14.7009,
32.6296

■ 48.8951, 50.9518,
56.2079

■ 27.2844, 13.7044,
30.5875

■ 53.7449, 59.8766,
60.2133

■ 26.7903, 13.1982,
28.9368

■ 59.1694, 69.9277,
64.4811

■ 65.1875, 81.1429,
69.0181

■ 68.6090, 87.1417,
72.7614

■ 69.1514, 87.3586,
75.6175

Harmonies

Analogous

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



30.6344, 25.6818, 59.7586



34.8229, 25.6818, 42.6569



36.0801, 25.6818, 25.8179

Triad

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



34.8229, 25.6818, 42.6569



23.6488, 25.6818, 7.7580



16.9067, 25.6818, 47.9145

Complementary

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



34.8229, 25.6818, 42.6569



29.3433, 42.3190, 27.7426

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.



15.5739, 25.6818, 30.2239



34.8229, 25.6818, 42.6569



19.0912, 25.6818, 10.0903

Square

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



34.8229, 25.6818, 42.6569



29.1105, 25.6818, 9.0146



16.3118, 25.6818, 17.1028



20.2444, 25.6818, 63.4878

Rectangle

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



34.8229, 25.6818, 42.6569



34.9535, 25.6818, 17.5623



16.3118, 25.6818, 17.1028



16.2333, 25.6818, 41.8248

Sweetspot

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



34.8237, 25.6830, 42.6574



79.2822, 76.1348, 93.4125



24.2703, 20.0275, 51.8774



17.2046, 16.3467, 20.3260



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.8237, 25.6830, 42.6574



58.4568, 39.2952, 71.6383



31.6109, 24.3979, 25.7391



9.8344, 9.6581, 11.5170



17.6377, 8.6862, 19.1837



0.7141, 0.3495, 0.8738

Inverse Universe

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



34.8237, 25.6830, 42.6574



58.4568, 39.2952, 71.6383



32.4394, 43.5574, 44.0464



9.8344, 9.6581, 11.5170



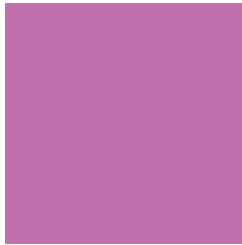
17.6377, 8.6862, 19.1837



0.7141, 0.3495, 0.8738

Previews

White Background



This preview shows how the XYZ color 34.8229, 25.6818, 42.6569 looks on a white background.

Color Contrast Check

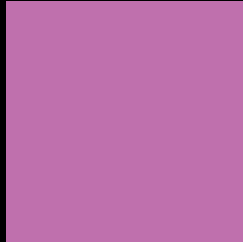
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.8229, 25.6818, 42.6569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

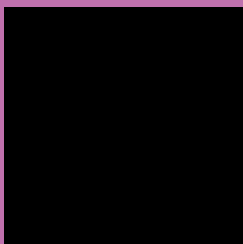
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.8229, 25.6818, 42.6569

Background



This preview shows how black text looks on a background with the XYZ color 34.8229, 25.6818, 42.6569.



This preview shows how white text looks on a background with the XYZ color 34.8229, 25.6818,

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

34.8229, 25.6818, 42.6569

Protanopia

26.6285, 25.9080, 53.4665

Deuteranopia

26.4468, 25.8762, 41.1368



Tritanopia

31.1163, 25.7256, 24.4446

Trichromacy



Original Color

34.8229, 25.6818, 42.6569

Protanomaly

28.6889, 25.2370, 49.2581

Deuteranomaly

28.7497, 25.2491, 41.3885

Tritanomaly

32.4058, 25.7236, 30.4513

Monochromacy



Original Color

34.8229, 25.6818, 42.6569

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

28.5812, 26.3092, 34.1436

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8229, 25.6818, 42.6569 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(191, 112, 173)` looks like.

```
.text, #text, p{  
    color:rgb(191, 112, 173)  
}
```

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(191, 112, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 112, 173) }
```

Border

The CSS property to change the border of an element to XYZ 34.8229, 25.6818, 42.6569 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(191, 112, 173) }
```


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

```
.border{ border-color:rgb(191, 112, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 112, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 112, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 112, 173);  
box-shadow:4px 4px 4px 4px rgb(191, 112,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8229, 25.6818, 42.6569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 112, 173) }
```

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

```
.background{ background-color: rgb(191,  
112, 173) }
```

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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