

Converting Colors

XYZ(42.3950, 32.7368, 70.7148)

Have a look what the booklet for
XYZ(42.3950, 32.7368, 70.7148)
contains.

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Color

**XYZ(42.5283, 32.9134,
70.4411)**

Conversions

Conversions Part 1

Format	Color
Hex	BF85DA
RGB	191, 133, 218
RGB Percent	75%, 52%, 85%
CMY	0.2510, 0.4784, 0.1451
CMYK	0.12, 0.39, 0.00, 0.15
HSL	281°, 53%, 69%
HSV	281°, 39%, 85%
XYZ	42.5283, 32.9134, 70.4411
YIQ	160.0320, 7.2830, 38.7310

Conversions

Conversions Part 2

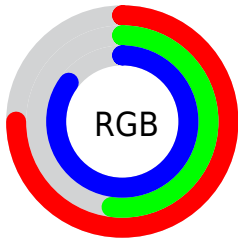
Format	Color
R_{YB}	191, 133, 218
Decimal	12551642
CIE _{Lab}	64.09, 37.21, -34.89
CIE _{LCh}	64, 51.007, 316.844
Yxy	32.9134, 0.2915, 0.2256
Android (android.graphics.Color)	4290741722 (0xFFBF85DA)
YUV	160.0320, 28.5782, 27.1589
Hunter-Lab	57.3702, 31.9235, -32.6392

Details

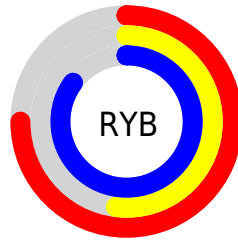
The XYZ color **42.5283, 32.9134, 70.4411** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **43.8033, 59.3106, 31.3312**, and the grayscale version is **33.2995, 35.0337, 38.1517**.

A 20% lighter version of the original color is **74.5317, 62.7171, 102.7851**, and **19.7815, 13.9132, 36.2932** is the 20% darker color. If you saturate the color by 10%, you get **38.1474, 26.6753, 69.4684**, and if you desaturate by 10%, it is **47.6131, 40.4353, 71.6255**.

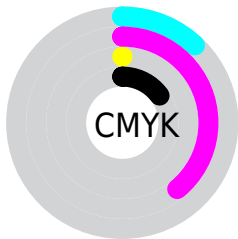
Distribution



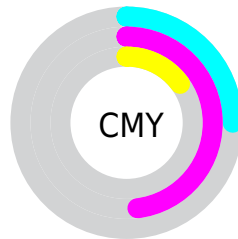
- Red (75%)
- Green (52%)
- Blue (85%)



- Red (75%)
- Yellow (52%)
- Blue (85%)



- Cyan (12%)
- Magenta (39%)
- Yellow (0%)
- Black (15%)





- Cyan (25%)
- Magenta (48%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5283, 32.9134, 70.4411 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 42.5283, 32.9134, 70.4411 by changing the saturation by 10% instead.


 42.5283, 32.9134,
70.4411

 42.5283, 32.9134,
70.4411


347.6228,
315.2593, 480.9282


 29.7081, 22.0601,
51.4072


 78.2587, 64.2403,
121.5246

 19.7641, 13.9011,
36.1538


 101.8997, 85.4827,
154.4113

 12.3310, 8.0519,
24.2624


 129.8782,
110.9569, 192.7526

 7.0433, 4.1282,
15.3144

162.5597,
141.0474, 236.9671

 3.5358, 1.7455,
8.8912

200.3096,
176.1385, 287.4734

 1.4430, 0.4529,
4.5745

243.4932,

 0.2866, 0.0000,

216.6145, 344.6900

1.9455

292.4758,
262.8600, 409.0354

■ 0.0000, 0.0000,
0.5215

■ 0.0000, 0.0000,
0.0000

■ 42.5283, 32.9134,
70.4411

■ 42.5283, 32.9134,
70.4411

■ 38.1474, 26.6753,
69.4684

■ 47.6131, 40.4353,
71.6255

■ 34.4273, 21.6392,
68.6924


■ 53.4349, 49.3081,
73.0313


■ 31.3251, 17.7200,
68.0995


■ 60.0284, 59.5990,
74.6701


■ 28.7908, 14.8193,
67.6731


■ 67.4253, 71.3694,
76.5522


 26.7654, 12.8212,
67.3942


 75.6551, 84.6771,
78.6871


 25.1563, 11.5422,
67.2322

 81.8725, 93.8300,
80.1260

 25.0046, 11.4284,
67.2182

 84.1721, 95.0155,
80.2337

 86.5613, 96.2471,
80.3455

 89.0411, 97.5255,
80.4615

Harmonies

Analogous

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



35.4758, 32.9134, 88.8674



42.5283, 32.9134, 70.4411



46.8217, 32.9134, 45.6571

Triad

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



42.5283, 32.9134, 70.4411



34.5466, 32.9134, 9.4082



19.7998, 32.9134, 48.6202

Complementary

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



42.5283, 32.9134, 70.4411



43.8033, 59.3106, 31.3312

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.



19.6301, 32.9134, 27.5369



42.5283, 32.9134, 70.4411



27.4347, 32.9134, 9.6820

Square

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



42.5283, 32.9134, 70.4411



41.7586, 32.9134, 13.9720



22.2187, 32.9134, 14.9588



22.7248, 32.9134, 73.3151

Rectangle

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



42.5283, 32.9134, 70.4411



47.1695, 32.9134, 31.3099



22.2187, 32.9134, 14.9588



19.4364, 32.9134, 40.7809

Sweetspot

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



42.5294, 32.9148, 70.4418



82.5673, 80.2095, 105.7380



35.1322, 35.6563, 71.3609



17.4037, 16.7470, 22.5652



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



42.5294, 32.9148, 70.4418



55.3295, 39.3309, 99.2832



48.1810, 36.0334, 61.4385



13.1912, 13.0567, 16.4771



15.0964, 6.9067, 40.2759



1.0659, 0.4928, 2.6134

Inverse Universe

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



43.6471, 34.2199, 37.5636



57.4890, 41.6555, 44.6570



40.0249, 57.2420, 36.6131



13.2256, 13.1193, 14.4493



18.0137, 9.2065, 4.4520



1.2055, 0.6118, 0.4910

Previews

White Background



This preview shows how the XYZ color 42.5283, 32.9134, 70.4411 looks on a white background.

Color Contrast Check

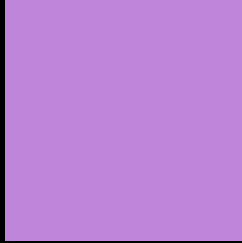
Large Text (above 18pt) WCAG AA × Fail

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 42.5283, 32.9134, 70.4411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

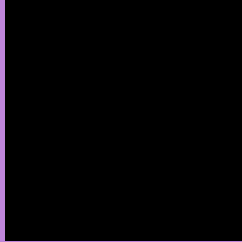
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.5283, 32.9134, 70.4411

Background



This preview shows how black text looks on a background with the XYZ color 42.5283, 32.9134, 70.4411.



This preview shows how white text looks on a background with the XYZ color 42.5283, 32.9134,

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

42.5283, 32.9134, 70.4411

Protanopia

34.9949, 33.2350, 82.4125

Deuteranopia

34.0097, 33.2846, 68.2504



Tritanopia

35.6561, 32.9372, 36.3765

Trichromacy



Original Color

42.5283, 32.9134, 70.4411



Protanomaly

36.8602, 32.6432, 77.7568



Deuteranomaly

36.4493, 32.6322, 68.6675



Tritanomaly

37.6691, 32.6187, 46.9585

Monochromacy



Original Color

42.5283, 32.9134, 70.4411



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

36.0414, 33.8068, 48.3418

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5283, 32.9134, 70.4411 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, 133, 218)` looks like.

```
.text, #text, p{  
    color:rgb(191, 133, 218)  
}
```

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, 133, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 133, 218) }
```

Border

The CSS property to change the border of an element to XYZ 42.5283, 32.9134, 70.4411 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, 133, 218) }
```


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

```
.border{ border-color:rgb(191, 133, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 133, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 133, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 133, 218);  
box-shadow:4px 4px 4px 4px rgb(191, 133,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5283, 32.9134, 70.4411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 133, 218) }
```

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

```
.background{ background-color: rgb(191,  
133, 218) }
```

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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