

Converting Colors

XYZ(42.3953, 34.1983, 67.3200)

Have a look what the booklet for
XYZ(42.3953, 34.1983, 67.3200)
contains.

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Color

**XYZ(42.4781, 34.2165,
67.3164)**

Conversions

Conversions Part 1

Format	Color
Hex	BE8BD5
RGB	190, 139, 213
RGB Percent	75%, 55%, 84%
CMY	0.2549, 0.4549, 0.1647
CMYK	0.11, 0.35, 0.00, 0.16
HSL	281°, 47%, 69%
HSV	281°, 35%, 84%
XYZ	42.4781, 34.2165, 67.3164
YIQ	162.6850, 6.6420, 33.8260

Conversions

Conversions Part 2

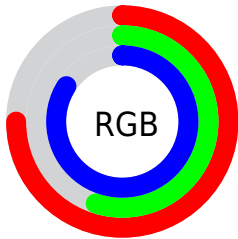
Format	Color
RYB	190, 139, 213
Decimal	12487637
CIELab	65.13, 32.56, -30.49
CIELCh	65, 44.611, 316.879
Yxy	34.2165, 0.2950, 0.2376
Android (android.graphics.Color)	4290677717 (0xFFBE8BD5)
YUV	162.6850, 24.8053, 23.9553
Hunter-Lab	58.4949, 27.2580, -27.2850

Details

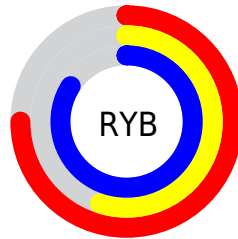
The XYZ color **42.4781, 34.2165, 67.3164** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.3558, 57.1348, 33.1707**, and the grayscale version is **34.5500, 36.3493, 39.5844**.

A 20% lighter version of the original color is **75.4777, 65.1341, 103.2018**, and **19.6530, 14.5990, 34.1298** is the 20% darker color. If you saturate the color by 10%, you get **38.0733, 27.8055, 66.3116**, and if you desaturate by 10%, it is **47.5611, 41.8707, 68.5264**.

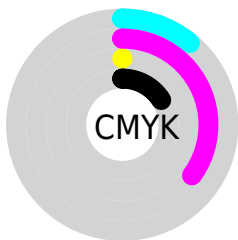
Distribution



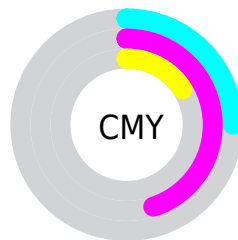
- Red (75%)
- Green (55%)
- Blue (84%)



- Red (75%)
- Yellow (55%)
- Blue (84%)



- Cyan (11%)
- Magenta (35%)
- Yellow (0%)
- Black (16%)



- Cyan (25%)
- Magenta (45%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4781, 34.2165, 67.3164 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 42.4781, 34.2165, 67.3164 by changing the saturation by 10% instead.

42.4781, 34.2165,
67.3164

42.4781, 34.2165,
67.3164

347.4190,
321.0963, 469.6023

29.6686, 23.0600,
48.8786

78.1833, 66.2702,
117.0186

19.7340, 14.6378,
34.1583

101.8098, 87.9362,
149.1201

12.3090, 8.5656,
22.7369

129.7725,
113.8741, 186.6132

7.0282, 4.4589,
14.1959

162.4370,
144.4683, 229.9165

3.5262, 1.9335,
8.1167

200.1685,
180.1032, 279.4485

1.4378, 0.5684,
4.0809

243.3325,

0.2829, 0.0000,

221.1633, 335.6278

1.6698

292.2942,
268.0329, 398.8729

■ 0.0000, 0.0000,
0.3399

■ 0.0000, 0.0000,
0.0000

■ 42.4781, 34.2165,
67.3164

■ 42.4781, 34.2165,
67.3164

■ 38.0733, 27.8055,
66.3116

■ 47.5611, 41.8707,
68.5264

■ 34.3073, 22.5629,
65.4982

■ 53.3520, 50.8287,
69.9503

■ 31.1416, 18.4122,
64.8639

■ 59.8829, 61.1523,
71.5987

■ 28.5316, 15.2659,
64.3942

■ 67.1828, 72.8980,
73.4811

26.4258, 13.0226,
64.0722

75.2788, 86.1190,
75.6063

24.7617, 11.5589,
63.8773

80.3148, 93.1014,
76.6887

24.0068, 10.9886,
63.8070

82.4766, 94.2159,
76.7898

84.7200, 95.3724,
76.8948

87.0458, 96.5714,
77.0037

Harmonies

Analogous

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



36.2709, 34.2165, 82.8312



42.4781, 34.2165, 67.3164



46.2106, 34.2165, 45.9471

Triad

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



42.4781, 34.2165, 67.3164



35.4296, 34.2165, 12.2081



22.0069, 34.2165, 48.5931

Complementary

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



42.4781, 34.2165, 67.3164



43.3558, 57.1348, 33.1707

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.



21.8444, 34.2165, 29.7363



42.4781, 34.2165, 67.3164



29.0403, 34.2165, 12.4979

Square

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



42.4781, 34.2165, 67.3164



41.7922, 34.2165, 16.8254



24.2571, 34.2165, 17.8173



24.7349, 34.2165, 69.7985

Rectangle

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



42.4781, 34.2165, 67.3164



46.5087, 34.2165, 33.1477



24.2571, 34.2165, 17.8173



21.6645, 34.2165, 41.6904

Sweetspot

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



42.4792, 34.2179, 67.3172



84.5919, 83.3234, 106.2323



35.6558, 36.2881, 68.0764



17.8116, 17.3700, 22.6639



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.



42.4792, 34.2179, 67.3172



58.6604, 43.8527, 99.9804



47.0334, 36.7564, 58.9136



12.5601, 12.4301, 15.6748



14.7735, 6.7685, 38.9810



0.9743, 0.4512, 2.3550

Inverse Universe

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



43.1958, 35.2214, 38.7055



60.1740, 45.7524, 49.4766



40.1569, 55.3639, 38.5210



12.5806, 12.4838, 13.7319



17.4069, 8.8991, 4.1807



1.0867, 0.5515, 0.4461

Previews

White Background



This preview shows how the XYZ color 42.4781, 34.2165, 67.3164 looks on a white background.

Color Contrast Check

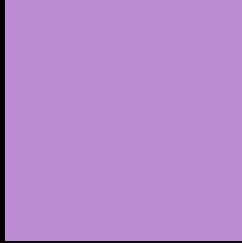
Large Text (above 18pt) WCAG AA × Fail

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 42.4781, 34.2165, 67.3164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

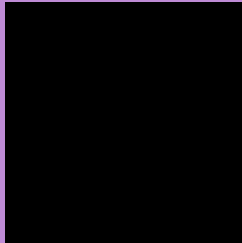
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.4781, 34.2165, 67.3164

Background



This preview shows how black text looks on a background with the XYZ color 42.4781, 34.2165, 67.3164.



This preview shows how white text looks on a background with the XYZ color 42.4781, 34.2165,

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

42.4781, 34.2165, 67.3164

Protanopia

35.7693, 34.5022, 76.7258

Deuteranopia

35.3754, 34.5411, 65.7754



Tritanopia

36.6308, 34.3310, 38.4141

Trichromacy



Original Color

42.4781, 34.2165, 67.3164

Protanomaly

37.6678, 34.1011, 73.0035

Deuteranomaly

37.5645, 34.1972, 66.2489

Tritanomaly

38.5247, 34.1673, 47.7445

Monochromacy



Original Color

42.4781, 34.2165, 67.3164

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

37.1297, 35.3316, 48.5788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4781, 34.2165, 67.3164 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(190, 139, 213)` looks like.

```
.text, #text, p{  
    color:rgb(190, 139, 213)  
}
```

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(190, 139, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 139, 213) }
```

Border

The CSS property to change the border of an element to XYZ 42.4781, 34.2165, 67.3164 is called "border". The border property can be set on classes, ids or directly on the HTML element.

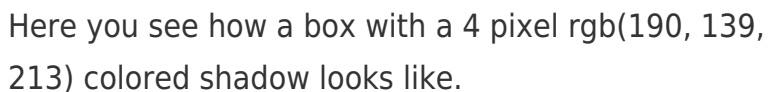
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(190, 139, 213) }
```


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

```
.border{ border-color:rgb(190, 139, 213) }
```

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



Here you see how a box with a 4 pixel rgb(190, 139, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 139, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 139, 213);  
box-shadow:4px 4px 4px 4px rgb(190, 139,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4781, 34.2165, 67.3164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 139, 213) }
```

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

```
.background{ background-color: rgb(190,  
139, 213) }
```

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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