

Converting Colors

XYZ(42.6189, 34.6541, 65.7016)

Have a look what the booklet for
XYZ(42.6189, 34.6541, 65.7016)
contains.

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Color

**XYZ(42.6436, 34.7793,
65.4383)**

Conversions

Conversions Part 1

Format	Color
Hex	BF8DD2
RGB	191, 141, 210
RGB Percent	75%, 55%, 82%
CMY	0.2510, 0.4470, 0.1765
CMYK	0.09, 0.33, 0.00, 0.18
HSL	283°, 43%, 69%
HSV	283°, 33%, 82%
XYZ	42.6436, 34.7793, 65.4383
YIQ	163.8160, 7.6510, 32.0590

Conversions

Conversions Part 2

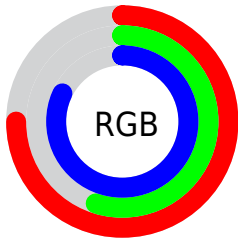
Format	Color
R_{YB}	191, 141, 210
Decimal	12553682
CIE _{Lab}	65.58, 31.15, -28.13
CIE _{LCh}	66, 41.973, 317.916
Yxy	34.7793, 0.2985, 0.2434
Android (android.graphics.Color)	4290743762 (0xFFBF8DD2)
YUV	163.8160, 22.7687, 23.8404
Hunter-Lab	58.9740, 25.8674, -24.5072

Details

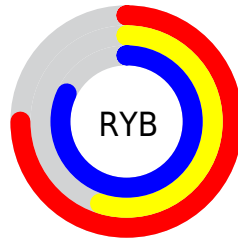
The XYZ color **42.6436, 34.7793, 65.4383** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.3527, 55.4908, 33.6795**, and the grayscale version is **35.0929, 36.9205, 40.2064**.

A 20% lighter version of the original color is **76.2765, 66.2067, 103.3667**, and **19.8891, 14.9973, 32.8568** is the 20% darker color. If you saturate the color by 10%, you get **38.4104, 28.4287, 64.4362**, and if you desaturate by 10%, it is **47.5236, 42.3366, 66.6403**.

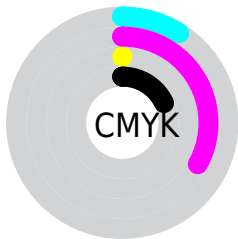
Distribution



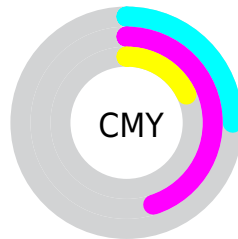
- Red (75%)
- Green (55%)
- Blue (82%)



- Red (75%)
- Yellow (55%)
- Blue (82%)



- Cyan (9%)
- Magenta (33%)
- Yellow (0%)
- Black (18%)





- Cyan (25%)
- Magenta (45%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6436, 34.7793, 65.4383 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 42.6436, 34.7793, 65.4383 by changing the saturation by 10% instead.


 42.6436, 34.7793,
65.4383


 42.6436, 34.7793,
65.4383

348.0904,
323.5931, 462.7146


 29.7989, 23.4929,
47.3630


 78.4318, 67.1437,
114.2991

 19.8333, 14.9579,
32.9663

 102.1061, 88.9906,
145.9216

 12.3815, 8.7898,
21.8297


 130.1208,
115.1263, 182.8969

 7.0781, 4.6044,
13.5347

162.8415,
145.9354, 225.6436

 3.5577, 2.0171,
7.6627

200.6335,
181.8023, 274.5802

 1.4551, 0.6174,
3.7952

243.8620,

 0.2950, 0.0000,

223.1112, 330.1252

1.5137

292.8926,
270.2467, 392.6971

■ 0.0000, 0.0000,
0.2281

■ 0.0000, 0.0000,
0.0000

■ 42.6436, 34.7793,
65.4383

■ 42.6436, 34.7793,
65.4383

■ 38.4104, 28.4287,
64.4362

■ 47.5236, 42.3366,
66.6403

■ 34.7866, 23.2134,
63.6205

■ 53.0782, 51.1578,
68.0502

■ 31.7361, 19.0615,
62.9799

■ 59.3378, 61.3017,
69.6783

■ 29.2173, 15.8905,
62.5006

■ 66.3296, 72.8222,
71.5335

27.1822, 13.6058,
62.1668

74.0796, 85.7700,
73.6242

25.5734, 12.0934,
61.9597

78.6623, 92.2931,
74.6417

24.6145, 11.3454,
61.8659

80.5032, 93.2422,
74.7279

82.4059, 94.2230,
74.8169

84.3709, 95.2360,
74.9089

Harmonies

Analogous

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



36.8337, 34.7793, 80.1540



42.6436, 34.7793, 65.4383



46.0359, 34.7793, 45.4185

Triad

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



42.6436, 34.7793, 65.4383



35.5973, 34.7793, 13.4503



23.0238, 34.7793, 49.2848

Complementary

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



42.6436, 34.7793, 65.4383



42.3527, 55.4908, 33.6795

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.



22.7798, 34.7793, 31.2057



42.6436, 34.7793, 65.4383



29.5471, 34.7793, 13.9031

Square

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



42.6436, 34.7793, 65.4383



41.6422, 34.7793, 17.8687



25.0264, 34.7793, 19.3883



25.7406, 34.7793, 69.0142

Rectangle

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



42.6436, 34.7793, 65.4383



46.2225, 34.7793, 33.3888



25.0264, 34.7793, 19.3883



22.6633, 34.7793, 42.7325

Sweetspot

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



42.6447, 34.7808, 65.4391



84.9115, 83.4882, 106.2473



35.2851, 35.6502, 65.9948



17.8892, 17.4101, 22.6676



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.



42.6447, 34.7808, 65.4391



61.7360, 47.2773, 100.4793



45.9603, 36.6952, 56.3209



11.9802, 11.8386, 14.8973



15.1157, 6.9727, 37.7417



0.9196, 0.4282, 2.1138

Inverse Universe

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



42.4496, 35.2910, 37.8338



61.5936, 48.3024, 50.8412



40.0288, 54.1554, 39.7752



11.9406, 11.8610, 12.9629



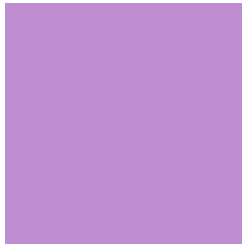
16.7123, 8.5578, 3.3914



0.9683, 0.4920, 0.3677

Previews

White Background



This preview shows how the XYZ color 42.6436, 34.7793, 65.4383 looks on a white background.

Color Contrast Check

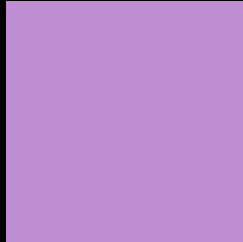
Large Text (above 18pt) WCAG AA × Fail

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 42.6436, 34.7793, 65.4383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

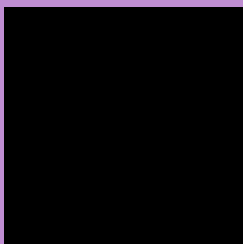
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.6436, 34.7793, 65.4383

Background



This preview shows how black text looks on a background with the XYZ color 42.6436, 34.7793, 65.4383.



This preview shows how white text looks on a background with the XYZ color 42.6436, 34.7793,

65.4383.

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

42.6436, 34.7793, 65.4383

Protanopia

36.0570, 34.9633, 73.9554

Deuteranopia

35.8971, 35.1030, 63.9151



Tritanopia

37.3554, 34.9322, 38.9562

Trichromacy



Original Color

42.6436, 34.7793, 65.4383

Protanomaly

38.0196, 34.5661, 70.9977

Deuteranomaly

37.9688, 34.6866, 64.3685

Tritanomaly

39.0639, 34.6869, 47.2842

Monochromacy



Original Color

42.6436, 34.7793, 65.4383

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

37.6845, 36.1118, 48.7001

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6436, 34.7793, 65.4383 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, 141, 210)` looks like.

```
.text, #text, p{  
    color:rgb(191, 141, 210)  
}
```

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, 141, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 141, 210) }
```

Border

The CSS property to change the border of an element to XYZ 42.6436, 34.7793, 65.4383 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, 141, 210) }
```


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

```
.border{ border-color:rgb(191, 141, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 141, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 141, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 141, 210);  
box-shadow:4px 4px 4px 4px rgb(191, 141,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6436, 34.7793, 65.4383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 141, 210) }
```

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

```
.background{ background-color: rgb(191,  
141, 210) }
```

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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