

Converting Colors

XYZ(42.0593, 34.2488, 57.5671)

Have a look what the booklet for
XYZ(42.0593, 34.2488, 57.5671)
contains.

XYZ(42.1906, 34.2782, 57.8188)	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(42.1906, 34.2782,
57.8188)**

Conversions

Conversions Part 1

Format	Color
Hex	C48BC6
RGB	196, 139, 198
RGB Percent	77%, 55%, 78%
CMY	0.2314, 0.4549, 0.2235
CMYK	0.01, 0.30, 0.00, 0.22
HSL	298°, 34%, 66%
HSV	298°, 30%, 78%
XYZ	42.1906, 34.2782, 57.8188
YIQ	162.7690, 15.0330, 30.4330

Conversions

Conversions Part 2

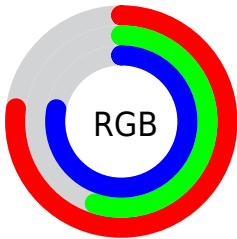
Format	Color
R_{YB}	196, 139, 198
Decimal	12880838
CIE _{Lab}	65.18, 31.49, -21.99
CIE _{LCh}	65, 38.404, 325.075
Yxy	34.2782, 0.3142, 0.2553
Android (android.graphics.Color)	4291070918 (0xFFC48BC6)
YUV	162.7690, 17.3689, 29.1436
Hunter-Lab	58.5476, 26.1725, -17.5687

Details

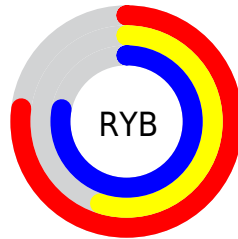
The XYZ color **42.1906, 34.2782, 57.8188** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.8400, 47.9159, 31.7875**, and the grayscale version is **34.6206, 36.4235, 39.6652**.

A 20% lighter version of the original color is **77.6280, 66.2426, 103.3024**, and **19.5083, 14.6558, 28.1862** is the 20% darker color. If you saturate the color by 10%, you get **39.4054, 28.9657, 56.9407**, and if you desaturate by 10%, it is **45.4979, 40.6325, 58.8715**.

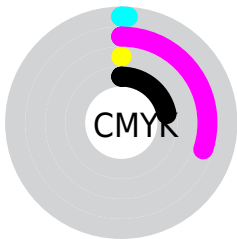
Distribution



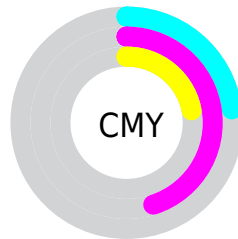
- Red (77%)
- Green (55%)
- Blue (78%)



- Red (77%)
- Yellow (55%)
- Blue (78%)



- Cyan (1%)
- Magenta (30%)
- Yellow (0%)
- Black (22%)





- Cyan (23%)
- Magenta (45%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.1906, 34.2782, 57.8188 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 42.1906, 34.2782, 57.8188 by changing the saturation by 10% instead.


 42.1906, 34.2782,
57.8188

 42.1906, 34.2782,
57.8188


346.2506,
321.3708, 434.0898


 29.4423, 23.1074,
41.2493


 77.7514, 66.3661,
103.1711

 19.5616, 14.6728,
28.1927

 101.2946, 88.0519,
132.7910

 12.1832, 8.5901,
18.2307


 129.1668,
114.0116, 167.5980

 6.9417, 4.4748,
10.9446

161.7334,
144.6294, 208.0107

 3.4717, 1.9425,
5.9159

199.3597,
180.2899, 254.4478

 1.4078, 0.5738,
2.7260

242.4111,

 0.2618, 0.0000,

221.3773, 307.3276

0.9565

291.2530,
268.2762, 367.0687

■ 0.0000, 0.0000,
0.0000

■ 42.1906, 34.2782,
57.8188

■ 42.1906, 34.2782,
57.8188

■ 39.4054, 28.9657,
56.9407

■ 45.4979, 40.6325,
58.8715

■ 37.1111, 24.6345,
56.2256

■ 49.3501, 48.0759,
60.1052

■ 35.2780, 21.2245,
55.6640

■ 53.7724, 56.6584,
61.5287

■ 33.8720, 18.6676,
55.2446

■ 58.7876, 66.4255,
63.1496

■ 32.8542, 16.8861,
54.9544

■ 64.4171, 77.4201,
64.9751

■ 32.1787, 15.7880,
54.7780

■ 69.7800, 87.8805,
66.7115

■ 31.7598, 15.2018,
54.6869

■ 69.9597, 87.9731,
66.7199

■ 31.7520, 15.1912,
54.6853

■ 70.1402, 88.0661,
66.7283

■ 70.3214, 88.1596,
66.7368

Harmonies

Analogous

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



37.3412, 34.2782, 72.6372



42.1906, 34.2782, 57.8188



44.4790, 34.2782, 40.0234

Triad

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



42.1906, 34.2782, 57.8188



33.5101, 34.2782, 14.3198



23.7982, 34.2782, 51.9154

Complementary

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



42.1906, 34.2782, 57.8188



35.8400, 47.9159, 31.7875

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.



23.0190, 34.2782, 34.7471



42.1906, 34.2782, 57.8188



28.2425, 34.2782, 15.8394

Square

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



42.1906, 34.2782, 57.8188



39.1157, 34.2782, 17.3762



24.5530, 34.2782, 22.3530



26.8169, 34.2782, 68.6027

Rectangle

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



42.1906, 34.2782, 57.8188



44.0747, 34.2782, 29.8898



24.5530, 34.2782, 22.3530



23.2814, 34.2782, 45.8968

Sweetspot

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



42.1917, 34.2797, 57.8195



87.8751, 86.0741, 106.5902



30.5075, 28.8990, 57.3968



18.5778, 17.9758, 22.7405



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.



42.1917, 34.2797, 57.8195



71.2873, 54.1601, 101.3044



39.9161, 33.4300, 43.1034



11.0462, 10.7976, 13.4194



20.6642, 9.8870, 35.5636



0.9898, 0.4740, 1.6845

Inverse Universe

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



37.3302, 32.3956, 29.4863



61.2843, 50.2901, 42.7033



37.6845, 48.6147, 43.2591



10.6482, 10.6427, 11.1307



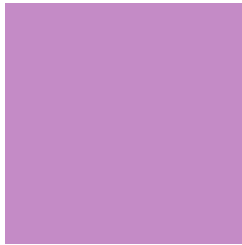
15.1755, 7.8198, 0.8684



0.7238, 0.3723, 0.0685

Previews

White Background



This preview shows how the XYZ color 42.1906, 34.2782, 57.8188 looks on a white background.

Color Contrast Check

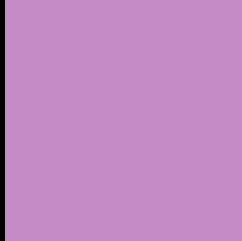
Large Text (above 18pt) WCAG AA × Fail

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 42.1906, 34.2782, 57.8188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

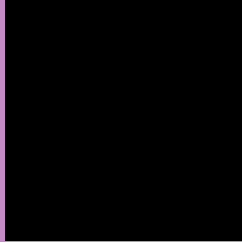
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.1906, 34.2782, 57.8188

Background



This preview shows how black text looks on a background with the XYZ color 42.1906, 34.2782, 57.8188.



This preview shows how white text looks on a background with the XYZ color 42.1906, 34.2782,

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

42.1906, 34.2782, 57.8188

Protanopia

35.1425, 34.6567, 66.4652

Deuteranopia

35.2820, 34.4507, 56.4199



Tritanopia

38.0911, 34.4124, 36.9824

Trichromacy



Original Color

42.1906, 34.2782, 57.8188

Protanomaly

36.9472, 33.9503, 62.9983

Deuteranomaly

37.5058, 34.1383, 56.8371

Tritanomaly

39.5084, 34.3011, 44.0736

Monochromacy



Original Color

42.1906, 34.2782, 57.8188

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

37.0713, 35.3598, 45.9455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1906, 34.2782, 57.8188 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(196, 139, 198)` looks like.

```
.text, #text, p{  
    color:rgb(196, 139, 198)  
}
```

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(196, 139, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 139, 198) }
```

Border

The CSS property to change the border of an element to XYZ 42.1906, 34.2782, 57.8188 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(196, 139, 198) }
```


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

```
.border{ border-color:rgb(196, 139, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 139, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 139, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 139, 198);  
box-shadow:4px 4px 4px 4px rgb(196, 139,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1906, 34.2782, 57.8188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 139, 198) }
```

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

```
.background{ background-color: rgb(196,  
139, 198) }
```

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