

Converting Colors

XYZ(42.6267, 34.2876, 56.8980)

Have a look what the booklet for
XYZ(42.6267, 34.2876, 56.8980)
contains.

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Color

**XYZ(42.7197, 34.3503,
57.2020)**

Conversions

Conversions Part 1

Format	Color
Hex	C78AC5
RGB	199, 138, 197
RGB Percent	78%, 54%, 77%
CMY	0.2196, 0.4588, 0.2274
CMYK	0.00, 0.31, 0.01, 0.22
HSL	302°, 35%, 66%
HSV	302°, 31%, 78%
XYZ	42.7197, 34.3503, 57.2020
YIQ	162.9650, 17.4170, 31.2810

Conversions

Conversions Part 2

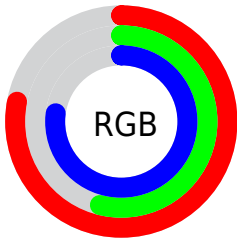
Format	Color
RYB	199, 138, 197
Decimal	13077189
CIELab	65.24, 32.83, -21.31
CIELCh	65, 39.140, 327.012
Yxy	34.3503, 0.3182, 0.2558
Android (android.graphics.Color)	4291267269 (0xFFC78AC5)
YUV	162.9650, 16.7793, 31.6027
Hunter-Lab	58.6091, 27.5412, -16.8401

Details

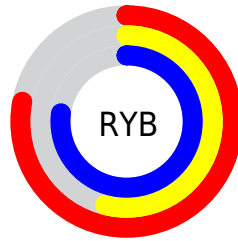
The XYZ color **42.7197, 34.3503, 57.2020** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.6397, 48.1447, 32.2273**, and the grayscale version is **34.7148, 36.5226, 39.7732**.

A 20% lighter version of the original color is **77.9790, 66.1150, 102.4175**, and **19.8677, 14.7289, 27.7824** is the 20% darker color. If you saturate the color by 10%, you get **40.0477, 29.1252, 55.9435**, and if you desaturate by 10%, it is **45.9172, 40.6247, 58.6380**.

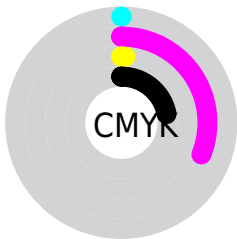
Distribution



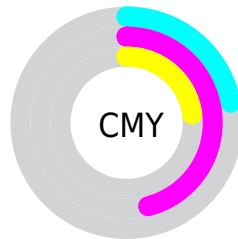
- Red (78%)
- Green (54%)
- Blue (77%)



- Red (78%)
- Yellow (54%)
- Blue (77%)



- Cyan (0%)
- Magenta (31%)
- Yellow (1%)
- Black (22%)





- Cyan (22%)
- Magenta (46%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7197, 34.3503, 57.2020 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 42.7197, 34.3503, 57.2020 by changing the saturation by 10% instead.


 42.7197, 34.3503,
57.2020


 42.7197, 34.3503,
57.2020

348.3988,
321.6912, 431.7207


 29.8588, 23.1628,
40.7570


 78.5461, 66.4780,
102.2631

 19.8790, 14.7138,
27.8110


 102.2422, 88.1871,
131.7163

 12.4149, 8.6188,
17.9454


 130.2809,
114.1722, 166.3427

 7.1011, 4.4934,
10.7418

163.0274,
144.8176, 206.5608

 3.5723, 1.9532,
5.7815

200.8471,
180.5079, 252.7891

 1.4631, 0.5801,
2.6460

244.1053,

 0.3005, 0.0000,

221.6273, 305.4461

0.9161

293.1675,
268.5603, 364.9505

■ 0.0000, 0.0000,
0.0000

■ 42.7197, 34.3503,
57.2020

■ 42.7197, 34.3503,
57.2020

■ 40.0477, 29.1252,
55.9435

■ 45.9172, 40.6247,
58.6380

■ 37.8695, 24.8876,
54.8509

■ 49.6635, 47.9968,
60.2581

■ 36.1547, 21.5765,
53.9143

■ 53.9842, 56.5173,
62.0713

■ 34.8685, 19.1219,
53.1221

■ 58.9026, 66.2325,
64.0854

■ 33.9710, 17.4442,
52.4612

■ 64.4404, 77.1861,
66.3075

■ 33.4149, 16.4488,
51.9156

■ 69.8463, 87.8754,
68.4873

■ 33.1207, 15.9691,
51.4822

■ 69.9232, 87.9062,
68.8923

■ 70.0005, 87.9371,
69.2991

■ 70.0780, 87.9681,
69.7076

Harmonies

Analogous

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



37.8779, 34.3503, 72.8668



42.7197, 34.3503, 57.2020



44.8478, 34.3503, 39.0602

Triad

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



42.7197, 34.3503, 57.2020



33.2230, 34.3503, 14.0151



23.8343, 34.3503, 53.5254

Complementary

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



42.7197, 34.3503, 57.2020



35.6397, 48.1447, 32.2273

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.



22.8908, 34.3503, 35.7907



42.7197, 34.3503, 57.2020



27.9248, 34.3503, 15.8450

Square

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



42.7197, 34.3503, 57.2020



38.9799, 34.3503, 16.7850



24.3000, 34.3503, 22.7959



27.0435, 34.3503, 70.3466

Rectangle

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



42.7197, 34.3503, 57.2020



44.2767, 34.3503, 28.9580



24.3000, 34.3503, 22.7959



23.2591, 34.3503, 47.3451

Sweetspot

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



42.7208, 34.3518, 57.2027



88.0397, 86.1730, 105.9666



30.0491, 27.7927, 57.8143



18.6187, 18.0004, 22.5855



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.



42.7208, 34.3518, 57.2027



71.4795, 53.6499, 98.6052



39.6628, 33.1286, 41.0994



11.0675, 10.8104, 13.3387



21.3037, 10.2710, 33.1388



1.0136, 0.4883, 1.5945

Inverse Universe

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



42.7208, 34.3518, 57.2027



71.4795, 53.6499, 98.6052



38.1160, 49.1352, 45.2675



11.0675, 10.8104, 13.3387



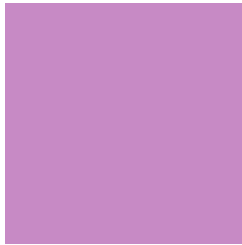
21.3037, 10.2710, 33.1388



1.0136, 0.4883, 1.5945

Previews

White Background



This preview shows how the XYZ color 42.7197, 34.3503, 57.2020 looks on a white background.

Color Contrast Check

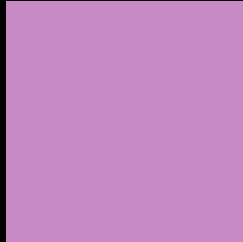
Large Text (above 18pt) WCAG AA × Fail

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 42.7197, 34.3503, 57.2020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

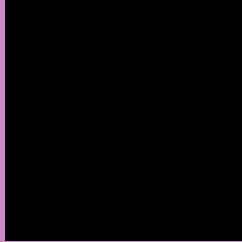
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.7197, 34.3503, 57.2020

Background



This preview shows how black text looks on a background with the XYZ color 42.7197, 34.3503, 57.2020.



This preview shows how white text looks on a background with the XYZ color 42.7197, 34.3503,

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

42.7197, 34.3503, 57.2020

Protanopia

35.3164, 34.7464, 66.4734

Deuteranopia

35.1693, 34.4057, 55.8263



Tritanopia

38.6128, 34.4614, 36.5149

Trichromacy



Original Color

42.7197, 34.3503, 57.2020

Protanomaly

37.3568, 34.1614, 63.0174

Deuteranomaly

37.6110, 34.2057, 56.2498

Tritanomaly

40.0338, 34.3592, 43.5517

Monochromacy



Original Color

42.7197, 34.3503, 57.2020

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

37.1980, 35.4365, 45.4368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7197, 34.3503, 57.2020 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(199, 138, 197)` looks like.

```
.text, #text, p{  
    color:rgb(199, 138, 197)  
}
```

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(199, 138, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 138, 197) }
```

Border

The CSS property to change the border of an element to XYZ 42.7197, 34.3503, 57.2020 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(199, 138, 197) }
```


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

```
.border{ border-color:rgb(199, 138, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 138, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 138, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 138, 197);  
box-shadow:4px 4px 4px 4px rgb(199, 138,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7197, 34.3503, 57.2020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 138, 197) }
```

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

```
.background{ background-color: rgb(199,  
138, 197) }
```

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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