

Converting Colors

XYZ(34.1323, 21.8755, 42.9435)

Have a look what the booklet for
XYZ(34.1323, 21.8755, 42.9435)
contains.

XYZ(34.2535, 21.9449, 42.9879)	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(34.2535, 21.9449,
42.9879)**

Conversions

Conversions Part 1

Format	Color
Hex	C558AF
RGB	197, 88, 175
RGB Percent	77%, 35%, 69%
CMY	0.2274, 0.6549, 0.3137
CMYK	0.00, 0.55, 0.11, 0.23
HSL	312°, 48%, 56%
HSV	312°, 55%, 77%
XYZ	34.2535, 21.9449, 42.9879
YIQ	130.5090, 37.0370, 50.1650

Conversions

Conversions Part 2

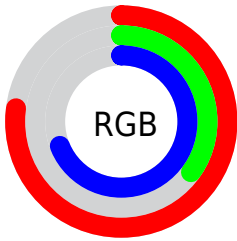
Format	Color
R_{YB}	197, 88, 175
Decimal	12933295
CIE _{Lab}	53.97, 54.23, -26.09
CIE _{LCh}	54, 60.176, 334.311
Yxy	21.9449, 0.3453, 0.2212
Android (android.graphics.Color)	4291123375 (0xFFC558AF)
YUV	130.5090, 21.9341, 58.3126
Hunter-Lab	46.8454, 48.5404, -21.6160

Details

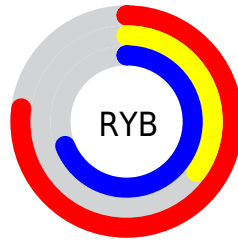
The XYZ color **34.2535, 21.9449, 42.9879** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted rose. A complement of this color would be **26.8062, 43.1337, 21.6663**, and the grayscale version is **21.3147, 22.4247, 24.4205**.

A 20% lighter version of the original color is **65.3368, 46.3755, 81.1090**, and **14.8181, 7.9606, 19.1679** is the 20% darker color. If you saturate the color by 10%, you get **32.4648, 18.9829, 40.4932**, and if you desaturate by 10%, it is **36.4920, 25.7873, 45.6897**.

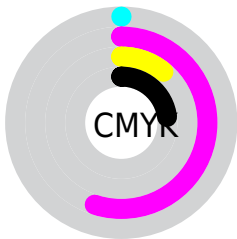
Distribution



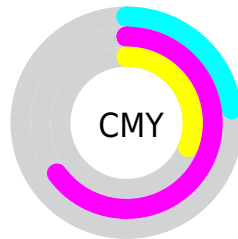
- Red (77%)
- Green (35%)
- Blue (69%)



- Red (77%)
- Yellow (35%)
- Blue (69%)



- Cyan (0%)
- Magenta (55%)
- Yellow (11%)
- Black (23%)





- Cyan (23%)
- Magenta (65%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2535, 21.9449, 42.9879 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 34.2535, 21.9449, 42.9879 by changing the saturation by 10% instead.


 34.2535, 21.9449,
42.9879


 34.2535, 21.9449,
42.9879


312.8270,
262.2584, 374.4818


 23.2522, 13.8164,
29.5443


 65.6694, 46.6549,
80.9788


 14.9016, 7.9931,
19.2438


 86.8147, 64.0052,
106.3631

 8.8362, 4.0905,
11.6680


 112.0720, 85.1983,
136.5647

 4.6908, 1.7243,
6.3983

 141.8068,
110.6185, 172.0023

 2.0999, 0.4393,
3.0160

176.3843,
140.6502, 213.0942

 0.6891, 0.0000,
1.1028

216.1699,

 0.0000, 0.0000,

175.6778, 260.2590

0.0000

261.5290,
216.0857, 313.9154

■ 34.2535, 21.9449,
42.9879

■ 34.2535, 21.9449,
42.9879

■ 32.4648, 18.9829,
40.4932

■ 36.4920, 25.7873,
45.6897

■ 31.0875, 16.8260,
38.1917

■ 39.2104, 30.5711,
48.6085

■ 30.0804, 15.3914,
36.0694

■ 42.4384, 36.3556,
51.7548

■ 29.3923, 14.5767,
34.1087

■ 46.2029, 43.1942,
55.1381

■ 29.1322, 14.3128,
33.2318

■ 50.5288, 51.1366,
58.7672

■ 55.4394, 60.2292,
62.6503

■ 60.9568, 70.5160,
66.7951

■ 67.1016, 82.0383,
71.2090

■ 70.5174, 88.0829,
74.7736

Harmonies

Analogous

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



28.7169, 21.9449, 67.2697



34.2535, 21.9449, 42.9879



35.9493, 21.9449, 21.3061

Triad

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



34.2535, 21.9449, 42.9879



19.9335, 21.9449, 3.0334



12.1515, 21.9449, 50.2482

Complementary

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



34.2535, 21.9449, 42.9879



26.8062, 43.1337, 21.6663

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.



10.7208, 21.9449, 26.6840



34.2535, 21.9449, 42.9879



14.5821, 21.9449, 4.8571

Square

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



34.2535, 21.9449, 42.9879



26.7519, 21.9449, 3.9859



11.5085, 21.9449, 11.5041



15.9003, 21.9449, 72.7720

Rectangle

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



34.2535, 21.9449, 42.9879



34.4305, 21.9449, 11.9897



11.5085, 21.9449, 11.5041



11.4233, 21.9449, 41.8448

Sweetspot

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



34.2542, 21.9459, 42.9883



81.3691, 74.8414, 97.5474



19.9744, 14.3141, 54.5338



17.1132, 15.4672, 20.6107



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.



34.2542, 21.9459, 42.9883



57.6790, 33.2499, 71.8052



29.9494, 20.2240, 20.3193



10.9878, 10.7785, 12.9191



19.1919, 9.4263, 22.0183



0.9327, 0.4559, 1.1687

Inverse Universe

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



34.2542, 21.9459, 42.9883



57.6790, 33.2499, 71.8052



30.7196, 44.6990, 42.2739



10.9878, 10.7785, 12.9191



19.1919, 9.4263, 22.0183



0.9327, 0.4559, 1.1687

Previews

White Background



This preview shows how the XYZ color 34.2535, 21.9449, 42.9879 looks on a white background.

Color Contrast Check

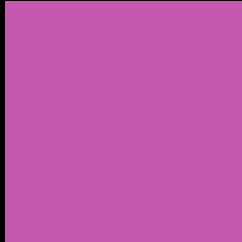
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.2535, 21.9449, 42.9879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

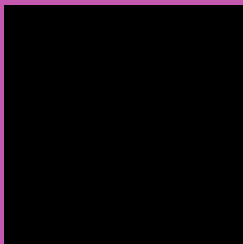
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.2535, 21.9449, 42.9879

Background



This preview shows how black text looks on a background with the XYZ color 34.2535, 21.9449, 42.9879.



This preview shows how white text looks on a background with the XYZ color 34.2535, 21.9449,

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

34.2535, 21.9449, 42.9879

Protanopia

23.8755, 22.2876, 61.4361

Deuteranopia

22.5424, 22.0708, 40.1178



Tritanopia

28.9547, 21.7953, 17.7198

Trichromacy



Original Color

34.2535, 21.9449, 42.9879



Protanomaly

25.7471, 20.9013, 54.3071



Deuteranomaly

25.6502, 21.1401, 41.2566



Tritanomaly

30.6631, 21.7941, 25.1448

Monochromacy



Original Color

34.2535, 21.9449, 42.9879



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

24.9148, 21.3366, 30.4090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2535, 21.9449, 42.9879 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(197, 88, 175)` looks like.

```
.text, #text, p{  
    color:rgb(197, 88, 175)  
}
```

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(197, 88, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 88, 175) }
```

Border

The CSS property to change the border of an element to XYZ 34.2535, 21.9449, 42.9879 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(197, 88, 175) }
```


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

```
.border{ border-color:rgb(197, 88, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 88, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 88, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 88, 175);  
box-shadow:4px 4px 4px 4px rgb(197, 88,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2535, 21.9449, 42.9879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 88, 175) }
```

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

```
.background{ background-color: rgb(197, 88,  
175) }
```

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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