

Converting Colors

XYZ(34.0398, 22.5058, 41.5470)

Have a look what the booklet for
XYZ(34.0398, 22.5058, 41.5470)
contains.

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Color

**XYZ(34.1257, 22.5430,
41.5823)**

Conversions

Conversions Part 1

Format	Color
Hex	C45DAC
RGB	196, 93, 172
RGB Percent	77%, 36%, 67%
CMY	0.2314, 0.6353, 0.3255
CMYK	0.00, 0.53, 0.12, 0.23
HSL	314°, 47%, 57%
HSV	314°, 53%, 77%
XYZ	34.1257, 22.5430, 41.5823
YIQ	132.8030, 36.0290, 46.4050

Conversions

Conversions Part 2

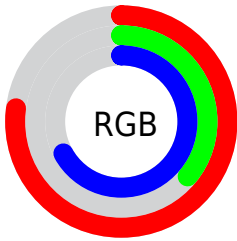
Format	Color
R_{YB}	196, 93, 172
Decimal	12869036
CIE _{Lab}	54.60, 51.07, -23.38
CIE _{LCh}	55, 56.168, 335.399
Yxy	22.5430, 0.3473, 0.2294
Android (android.graphics.Color)	4291059116 (0xFFC45DAC)
YUV	132.8030, 19.3241, 55.4238
Hunter-Lab	47.4795, 45.2072, -18.6903

Details

The XYZ color **34.1257, 22.5430, 41.5823** 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 **27.4661, 43.0922, 23.7013**, and the grayscale version is **22.1463, 23.2997, 25.3733**.

A 20% lighter version of the original color is **65.6773, 47.7289, 79.1498**, and **14.8381, 8.2936, 18.2715** is the 20% darker color. If you saturate the color by 10%, you get **32.1896, 19.3604, 38.8099**, and if you desaturate by 10%, it is **36.5191, 26.6154, 44.5820**.

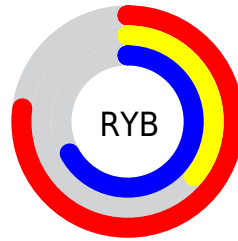
Distribution



Red (77%)

Green (36%)

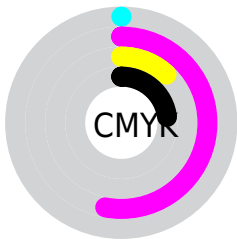
Blue (67%)



Red (77%)

Yellow (36%)

Blue (67%)

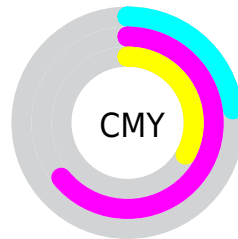


Cyan (0%)

Magenta (53%)

Yellow (12%)

Black (23%)



Cyan (23%)


Magenta (64%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.1257, 22.5430, 41.5823 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 34.1257, 22.5430, 41.5823 by changing the saturation by 10% instead.

 34.1257, 22.5430,
41.5823


 34.1257, 22.5430,
41.5823

312.2682,
265.3690, 368.4969

 23.1535, 14.2564,
28.4512

 65.4721, 47.6418,
78.8303


 14.8282, 8.2992,
18.4241


 86.5770, 65.2229,
103.7843

 8.7845, 4.2870,
11.0823


 111.7902, 86.6709,
133.5164

 4.6568, 1.8354,
6.0074

 141.4771,
112.3702, 168.4452

 2.0800, 0.5091,
2.7807

176.0030,
142.7053, 208.9890

 0.6783, 0.0000,
0.9838

215.7332,

 0.0000, 0.0000,

178.0606, 255.5666

0.0000

261.0332,
218.8203, 308.5964

■ 34.1257, 22.5430,
41.5823

■ 34.1257, 22.5430,
41.5823

■ 32.1896, 19.3604,
38.8099

■ 36.5191, 26.6154,
44.5820

■ 30.6741, 16.9956,
36.2512

■ 39.3987, 31.6359,
47.8185

■ 29.5404, 15.3706,
33.8926

■ 42.7932, 37.6618,
51.3026

■ 28.7409, 14.3906,
31.7175

■ 46.7286, 44.7446,
55.0436

■ 28.2967, 13.9485,
30.1938

■ 51.2291, 52.9327,
59.0501

■ 56.3174, 62.2710,
63.3305

■ 62.0150, 72.8024,
67.8925

■ 68.3421, 84.5671,
72.7437

■ 70.5489, 88.0654,
76.3013

Harmonies

Analogous

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



29.0602, 22.5430, 63.9678



34.1257, 22.5430, 41.5823



35.5419, 22.5430, 21.4852

Triad

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



34.1257, 22.5430, 41.5823



20.3294, 22.5430, 3.8780



13.1373, 22.5430, 49.9584

Complementary

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



34.1257, 22.5430, 41.5823



27.4661, 43.0922, 23.7013

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.



11.6521, 22.5430, 27.8834



34.1257, 22.5430, 41.5823



15.2624, 22.5430, 5.9598

Square

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



34.1257, 22.5430, 41.5823



26.7549, 22.5430, 4.8001



12.3480, 22.5430, 12.9433



16.8571, 22.5430, 70.2153

Rectangle

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



34.1257, 22.5430, 41.5823



34.0306, 22.5430, 12.6655



12.3480, 22.5430, 12.9433



12.3964, 22.5430, 42.1946

Sweetspot

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



34.1264, 22.5441, 41.5827



81.8940, 76.0771, 97.1491



20.9912, 15.4818, 54.1070



17.2086, 15.7074, 20.4901



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.



34.1264, 22.5441, 41.5827



57.8719, 34.3670, 69.6148



30.2045, 20.9753, 20.9299



10.3937, 10.2061, 12.1635



18.2161, 8.9762, 19.5820



0.8121, 0.3979, 0.9779

Inverse Universe

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



34.1264, 22.5441, 41.5827



57.8719, 34.3670, 69.6148



31.2132, 44.5910, 43.4333



10.3937, 10.2061, 12.1635



18.2161, 8.9762, 19.5820



0.8121, 0.3979, 0.9779

Previews

White Background



This preview shows how the XYZ color 34.1257, 22.5430, 41.5823 looks on a white background.

Color Contrast Check

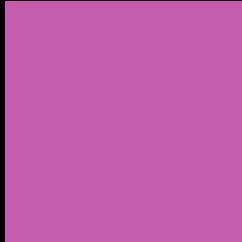
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.1257, 22.5430, 41.5823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

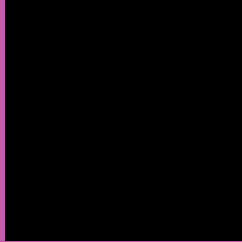
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.1257, 22.5430, 41.5823

Background



This preview shows how black text looks on a background with the XYZ color 34.1257, 22.5430, 41.5823.



This preview shows how white text looks on a background with the XYZ color 34.1257, 22.5430,

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

34.1257, 22.5430, 41.5823

Protanopia

24.2194, 22.9348, 57.7939

Deuteranopia

23.3374, 22.8893, 39.2645



Tritanopia

29.4265, 22.4701, 18.7058

Trichromacy



Original Color

34.1257, 22.5430, 41.5823



Protanomaly

26.1871, 21.6975, 51.5230



Deuteranomaly

26.0758, 21.8972, 39.8980



Tritanomaly

30.7651, 22.2631, 25.5974

Monochromacy



Original Color

34.1257, 22.5430, 41.5823



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

25.4552, 22.1314, 30.5339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1257, 22.5430, 41.5823 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, 93, 172)` looks like.

```
.text, #text, p{  
    color:rgb(196, 93, 172)  
}
```

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, 93, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 93, 172) }
```

Border

The CSS property to change the border of an element to XYZ 34.1257, 22.5430, 41.5823 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, 93, 172) }
```


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

```
.border{ border-color:rgb(196, 93, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 93, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 93, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 93, 172);  
box-shadow:4px 4px 4px 4px rgb(196, 93,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1257, 22.5430, 41.5823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 93, 172) }
```

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

```
.background{ background-color: rgb(196, 93,  
172) }
```

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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