

Converting Colors

XYZ(33.9742, 22.2631, 41.2801)

Have a look what the booklet for
XYZ(33.9742, 22.2631, 41.2801)
contains.

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Color

**XYZ(33.8567, 22.1582,
41.0206)**

Conversions

Conversions Part 1

Format	Color
Hex	C45BAB
RGB	196, 91, 171
RGB Percent	77%, 36%, 67%
CMY	0.2314, 0.6431, 0.3294
CMYK	0.00, 0.54, 0.13, 0.23
HSL	314°, 47%, 56%
HSV	314°, 54%, 77%
XYZ	33.8567, 22.1582, 41.0206
YIQ	131.5150, 36.9000, 47.1400

Conversions

Conversions Part 2

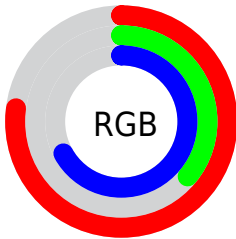
Format	Color
RYB	196, 91, 171
Decimal	12868523
CIELab	54.19, 51.87, -23.42
CIElCh	54, 56.917, 335.699
Yxy	22.1582, 0.3489, 0.2284
Android (android.graphics.Color)	4291058603 (0xFFC45BAB)
YUV	131.5150, 19.4661, 56.5533
Hunter-Lab	47.0725, 46.0085, -18.7166

Details

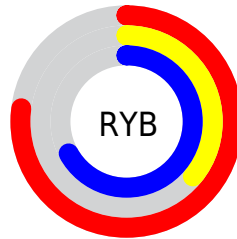
The XYZ color **33.8567, 22.1582, 41.0206** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted rose. A complement of this color would be **27.2077, 42.9657, 23.3839**, and the grayscale version is **21.6816, 22.8107, 24.8409**.

A 20% lighter version of the original color is **65.2305, 47.0568, 78.3179**, and **14.7759, 8.1691, 18.2508** is the 20% darker color. If you saturate the color by 10%, you get **31.9578, 19.0595, 38.2316**, and if you desaturate by 10%, it is **36.2102, 26.1403, 44.0391**.

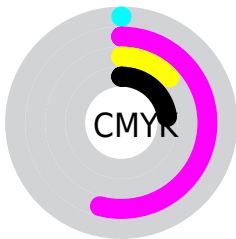
Distribution



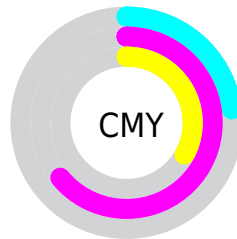
- Red (77%)
- Green (36%)
- Blue (67%)



- Red (77%)
- Yellow (36%)
- Blue (67%)



- Cyan (0%)
- Magenta (54%)
- Yellow (13%)
- Black (23%)



- Cyan (23%)
- Magenta (64%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8567, 22.1582, 41.0206 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 33.8567, 22.1582, 41.0206 by changing the saturation by 10% instead.

33.8567, 22.1582,
41.0206

33.8567, 22.1582,
41.0206

311.0898,
263.3713, 366.0859

22.9459, 13.9732,
28.0154

65.0565, 47.0073,
77.9692

14.6740, 8.1020,
18.0981

86.0763, 64.4402,
102.7496

8.6758, 4.1603,
10.8503

111.1964, 85.7246,
132.2921

4.5857, 1.7636,
5.8533

140.7822,
111.2447, 167.0154

2.0385, 0.4644,
2.6888

175.1991,
141.3851, 207.3378

0.6555, 0.0000,
0.9378

214.8124,

0.0000, 0.0000,

176.5300, 253.6780

0.0000

259.9875,
217.0640, 306.4545

■ 33.8567, 22.1582,
41.0206

■ 33.8567, 22.1582,
41.0206

■ 31.9578, 19.0595,
38.2316

■ 36.2102, 26.1403,
44.0391

■ 30.4764, 16.7713,
35.6582

■ 39.0475, 31.0648,
47.2969

■ 29.3730, 15.2143,
33.2867

■ 42.3976, 36.9894,
50.8047

■ 28.5989, 14.2916,
31.1002

■ 46.2867, 43.9662,
54.5720

■ 28.2165, 13.9164,
29.7717

■ 50.7393, 52.0437,
58.6077

■ 55.7780, 61.2672,
62.9200

■ 61.4246, 71.6798,
67.5170

■ 67.6995, 83.3220,
72.4060

■ 70.5357, 88.0601,
76.2323

Harmonies

Analogous

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



28.7856, 22.1582, 63.6713



33.8567, 22.1582, 41.0206



35.2396, 22.1582, 20.9014

Triad

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



33.8567, 22.1582, 41.0206



19.9022, 22.1582, 3.6333



12.8079, 22.1582, 49.9396

Complementary

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



33.8567, 22.1582, 41.0206



27.2077, 42.9657, 23.3839

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.



11.3095, 22.1582, 27.6674



33.8567, 22.1582, 41.0206



14.8585, 22.1582, 5.6967

Square

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



33.8567, 22.1582, 41.0206



26.3404, 22.1582, 4.5004



11.9792, 22.1582, 12.6546



16.5384, 22.1582, 70.3478

Rectangle

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



33.8567, 22.1582, 41.0206



33.6887, 22.1582, 12.1710



11.9792, 22.1582, 12.6546



12.0636, 22.1582, 42.1030

Sweetspot

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



33.8574, 22.1593, 41.0210



81.8622, 76.0644, 96.9820



20.8422, 15.1478, 54.0503



17.2010, 15.7043, 20.4500



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.



33.8574, 22.1593, 41.0210



57.4627, 33.8448, 68.5654



29.8367, 20.5510, 19.8482



10.3914, 10.2052, 12.1518



18.1651, 8.9558, 19.3132



0.8103, 0.3971, 0.9682

Inverse Universe

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



33.8574, 22.1593, 41.0210



57.4627, 33.8448, 68.5654



31.1231, 44.5318, 44.0019



10.3914, 10.2052, 12.1518



18.1651, 8.9558, 19.3132



0.8103, 0.3971, 0.9682

Previews

White Background



This preview shows how the XYZ color 33.8567, 22.1582, 41.0206 looks on a white background.

Color Contrast Check

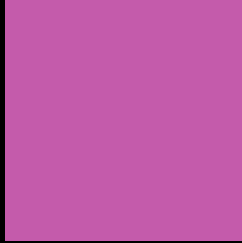
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.8567, 22.1582, 41.0206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

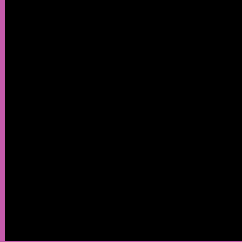
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.8567, 22.1582, 41.0206

Background



This preview shows how black text looks on a background with the XYZ color 33.8567, 22.1582, 41.0206.



This preview shows how white text looks on a background with the XYZ color 33.8567, 22.1582,

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

33.8567, 22.1582, 41.0206

Protanopia

23.8534, 22.5515, 57.7393

Deuteranopia

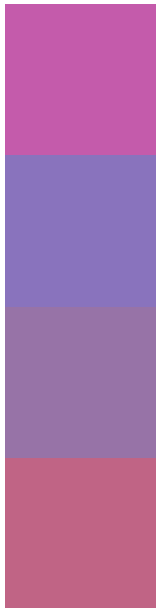
22.9681, 22.5149, 38.7326



Tritanopia

29.2114, 22.2202, 18.0785

Trichromacy



Original Color

33.8567, 22.1582, 41.0206

Protanomaly

25.6326, 21.2540, 50.8956

Deuteranomaly

25.8683, 21.6308, 39.3710

Tritanomaly

30.5290, 22.0143, 24.8304

Monochromacy



Original Color

33.8567, 22.1582, 41.0206

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

25.0672, 21.7665, 30.0743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8567, 22.1582, 41.0206 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, 91, 171)` looks like.

```
.text, #text, p{  
    color:rgb(196, 91, 171)  
}
```

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, 91, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 91, 171) }
```

Border

The CSS property to change the border of an element to XYZ 33.8567, 22.1582, 41.0206 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, 91, 171) }
```


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

```
.border{ border-color:rgb(196, 91, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 91, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 91, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 91, 171);  
box-shadow:4px 4px 4px 4px rgb(196, 91,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8567, 22.1582, 41.0206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 91, 171) }
```

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

```
.background{ background-color: rgb(196, 91,  
171) }
```

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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