

Converting Colors

XYZ(44.6940, 34.5797, 69.9307)

Have a look what the booklet for
XYZ(44.6940, 34.5797, 69.9307)
contains.

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Color

**XYZ(44.8817, 34.7602,
69.9895)**

Conversions

Conversions Part 1

Format	Color
Hex	C788D9
RGB	199, 136, 217
RGB Percent	78%, 53%, 85%
CMY	0.2196, 0.4666, 0.1490
CMYK	0.08, 0.37, 0.00, 0.15
HSL	287°, 52%, 69%
HSV	287°, 37%, 85%
XYZ	44.8817, 34.7602, 69.9895
YIQ	164.0710, 11.5470, 38.5470

Conversions

Conversions Part 2

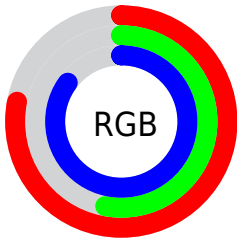
Format	Color
RYB	199, 136, 217
Decimal	13076697
CIELab	65.56, 37.80, -31.98
CIELCh	66, 49.513, 319.764
Yxy	34.7602, 0.2999, 0.2323
Android (android.graphics.Color)	4291266777 (0xFFC788D9)
YUV	164.0710, 26.0940, 30.6327
Hunter-Lab	58.9578, 32.7073, -29.1134

Details

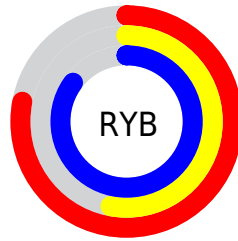
The XYZ color **44.8817, 34.7602, 69.9895** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **42.5844, 58.2742, 32.2978**, and the grayscale version is **35.1973, 37.0303, 40.3260**.

A 20% lighter version of the original color is **77.7035, 65.3069, 103.1178**, and **21.2717, 15.0349, 35.9633** is the 20% darker color. If you saturate the color by 10%, you get **40.8704, 28.6063, 69.0136**, and if you desaturate by 10%, it is **49.5546, 42.1753, 71.1750**.

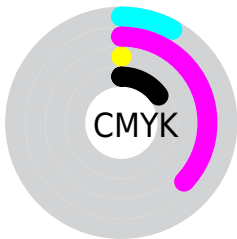
Distribution



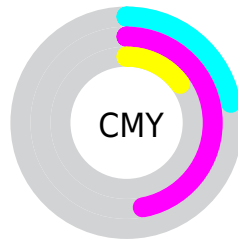
- Red (78%)
- Green (53%)
- Blue (85%)



- Red (78%)
- Yellow (53%)
- Blue (85%)



- Cyan (8%)
- Magenta (37%)
- Yellow (0%)
- Black (15%)




- Cyan (22%)
- Magenta (47%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.8817, 34.7602, 69.9895 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 44.8817, 34.7602, 69.9895 by changing the saturation by 10% instead.


 44.8817, 34.7602,
69.9895

 44.8817, 34.7602,
69.9895


357.0860,
323.5086, 479.3013


 31.5651, 23.4782,
51.0412


 81.7810, 67.1141,
120.8748

 21.1835, 14.9470,
35.8645


 106.0945, 88.9548,
153.6488

 13.3714, 8.7822,
24.0407


 134.8043,
115.0839, 191.8686

 7.7636, 4.5994,
15.1513

168.2758,
145.8857, 235.9525

 3.9946, 2.0142,
8.7778

206.8744,
181.7447, 286.3192

 1.6991, 0.6157,
4.5017

250.9654,

 0.4557, 0.0000,

223.0453, 343.3872

1.9044

300.9141,
270.1718, 407.5751

■ 0.0000, 0.0000,
0.4956

■ 0.0000, 0.0000,
0.0000

■ 44.8817, 34.7602,
69.9895

■ 44.8817, 34.7602,
69.9895

■ 40.8704, 28.6063,
69.0136

■ 49.5546, 42.1753,
71.1750

■ 37.4791, 23.6337,
68.2326

■ 54.9202, 50.9161,
72.5794

■ 34.6672, 19.7606,
67.6332

■ 61.0121, 61.0482,
74.2140

■ 32.3869, 16.8924,
67.1997

■ 67.8604, 72.6311,
76.0887

■ 30.5827, 14.9183,
66.9138

■ 75.4935, 85.7213,
78.2131

■ 29.1798, 13.6894,
66.7505

■ 80.2588, 93.0131,
79.3694

■ 28.8392, 13.4203,
66.7166

■ 81.8096, 93.8126,
79.4420

■ 83.4034, 94.6342,
79.5166

■ 85.0405, 95.4782,
79.5932

Harmonies

Analogous

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



37.9872, 34.7602, 89.3147



44.8817, 34.7602, 69.9895



48.7675, 34.7602, 45.4058

Triad

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



44.8817, 34.7602, 69.9895



35.5817, 34.7602, 10.5632



21.5659, 34.7602, 53.0400

Complementary

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



44.8817, 34.7602, 69.9895



42.5844, 58.2742, 32.2978

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.



21.1174, 34.7602, 31.1791



44.8817, 34.7602, 69.9895



28.5394, 34.7602, 11.3144

Square

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



44.8817, 34.7602, 69.9895



42.9004, 34.7602, 14.7970



23.4868, 34.7602, 17.4524



24.8172, 34.7602, 77.3052

Rectangle

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



44.8817, 34.7602, 69.9895



48.7933, 34.7602, 31.4647



23.4868, 34.7602, 17.4524



21.1026, 34.7602, 45.0410

Sweetspot

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



44.8829, 34.7617, 69.9903



84.4892, 82.2277, 106.0262



34.3838, 33.6550, 70.3300



17.8254, 17.1693, 22.6245



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.



44.8829, 34.7617, 69.9903



59.9375, 42.7897, 99.7079



47.3161, 36.3197, 56.3848



13.3166, 13.1213, 16.4829



17.5518, 8.1725, 40.3908



1.2083, 0.5662, 2.6200

Inverse Universe

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



43.2533, 34.6946, 34.9905



57.5147, 42.8333, 41.1926



41.1046, 57.3157, 41.0657



13.1739, 13.0987, 14.1772



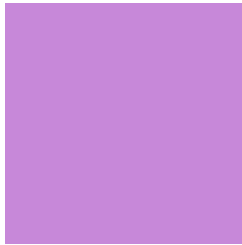
17.6807, 9.0733, 2.6986



1.1781, 0.6009, 0.3468

Previews

White Background



This preview shows how the XYZ color 44.8817, 34.7602, 69.9895 looks on a white background.

Color Contrast Check

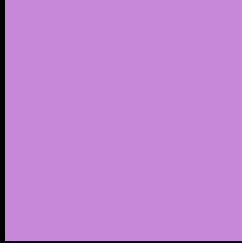
Large Text (above 18pt) WCAG AA × Fail

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 44.8817, 34.7602, 69.9895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

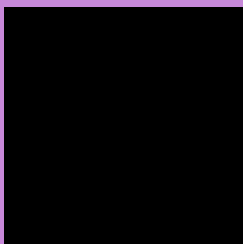
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.8817, 34.7602, 69.9895

Background



This preview shows how black text looks on a background with the XYZ color 44.8817, 34.7602, 69.9895.



This preview shows how white text looks on a background with the XYZ color 44.8817, 34.7602,

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

44.8817, 34.7602, 69.9895

Protanopia

36.7398, 35.1228, 82.6849

Deuteranopia

35.7443, 34.9378, 67.8105



Tritanopia

38.3338, 34.7594, 37.4897

Trichromacy



Original Color

44.8817, 34.7602, 69.9895

Protanomaly

38.8516, 34.3654, 77.9843

Deuteranomaly

38.4021, 34.3493, 68.2244

Tritanomaly

40.4596, 34.7111, 47.7475

Monochromacy



Original Color

44.8817, 34.7602, 69.9895

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

38.2343, 35.8772, 49.7096

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.8817, 34.7602, 69.9895 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, 136, 217)` looks like.

```
.text, #text, p{  
    color:rgb(199, 136, 217)  
}
```

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, 136, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 136, 217) }
```

Border

The CSS property to change the border of an element to XYZ 44.8817, 34.7602, 69.9895 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, 136, 217) }
```


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

```
.border{ border-color:rgb(199, 136, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 136, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 136, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 136, 217);  
box-shadow:4px 4px 4px 4px rgb(199, 136,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 44.8817, 34.7602, 69.9895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 136, 217) }
```

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

```
.background{ background-color: rgb(199,  
136, 217) }
```

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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