

Converting Colors

XYZ(34.5312, 25.6778, 44.9444)

Have a look what the booklet for
XYZ(34.5312, 25.6778, 44.9444)
contains.

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Color

**XYZ(34.5800, 25.6759,
44.7284)**

Conversions

Conversions Part 1

Format	Color
Hex	BC71B1
RGB	188, 113, 177
RGB Percent	74%, 44%, 69%
CMY	0.2627, 0.5568, 0.3059
CMYK	0.00, 0.40, 0.06, 0.26
HSL	309°, 36%, 59%
HSV	309°, 40%, 74%
XYZ	34.5800, 25.6759, 44.7284
YIQ	142.7210, 24.1560, 35.8040

Conversions

Conversions Part 2

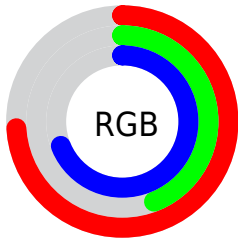
Format	Color
R _Y B	188, 113, 177
Decimal	12349873
CIE _{Lab}	57.73, 39.15, -21.56
CIE _{LCh}	58, 44.692, 331.161
Y _{xy}	25.6759, 0.3294, 0.2446
Android (android.graphics.Color)	4290539953 (0xFFBC71B1)
YUV	142.7210, 16.8995, 39.7097
Hunter-Lab	50.6714, 33.1400, -16.8662

Details

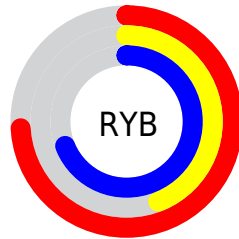
The XYZ color **34.5800, 25.6759, 44.7284** is a light color, and the websafe version is hex **996699**. A complement of this color would be **28.4325, 40.9333, 25.4727**, and the grayscale version is **25.9261, 27.2762, 29.7038**.

A 20% lighter version of the original color is **66.0004, 52.5681, 83.7589**, and **15.0336, 9.8870, 20.1848** is the 20% darker color. If you saturate the color by 10%, you get **32.4239, 21.7988, 42.6675**, and if you desaturate by 10%, it is **37.1777, 30.4265, 46.9645**.

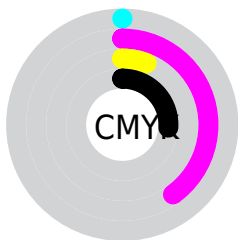
Distribution



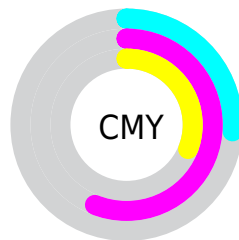
- Red (74%)
- Green (44%)
- Blue (69%)



- Red (74%)
- Yellow (44%)
- Blue (69%)



- Cyan (0%)
- Magenta (40%)
- Yellow (6%)
- Black (26%)





- Cyan (26%)
- Magenta (56%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5800, 25.6759, 44.7284 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 34.5800, 25.6759, 44.7284 by changing the saturation by 10% instead.

 34.5800, 25.6759,
44.7284


 34.5800, 25.6759,
44.7284

314.2512,
281.1874, 381.8005


 23.5045, 16.5813,
30.9022


 66.1729, 52.7516,
83.6268


 15.0892, 9.9364,
20.2665


 87.4211, 71.5016,
109.5361

 8.9688, 5.3568,
12.4029


 112.7908, 94.2388,
140.3101

 4.7778, 2.4581,
6.8929

 142.6476,
121.3477, 176.3674

 2.1509, 0.8556,
3.3178

177.3566,
153.2125, 218.1266

 0.7166, 0.0000,
1.2591

217.2833,

 0.0000, 0.0000,

190.2179, 266.0061

0.0279

262.7930,
232.7481, 320.4246

■ 0.0000, 0.0000,
0.0000

■ 34.5800, 25.6759,
44.7284

■ 34.5800, 25.6759,
44.7284

■ 32.4239, 21.7988,
42.6675

■ 37.1777, 30.4265,
46.9645

■ 30.6800, 18.7375,
40.7709

■ 40.2393, 36.0964,
49.3825

■ 29.3189, 16.4331,
39.0290


■ 43.7885, 42.7326,
51.9908


■ 28.3064, 14.8173,
37.4303


■ 47.8468, 50.3776,
54.7966


■ 27.6022, 13.8094,
35.9611

■ 52.4340, 59.0718,
57.8068


 27.1266, 13.2500,
34.5947

 57.5694, 68.8529,
61.0278

 27.1218, 13.2445,
34.5802

 63.2708, 79.7570,
64.4659

 66.8153, 86.3379,
67.2135

 67.1386, 86.4672,
68.9160

Harmonies

Analogous

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



30.1289, 25.6759, 61.5422



34.5800, 25.6759, 44.7284



36.2134, 25.6759, 27.3636

Triad

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



34.5800, 25.6759, 44.7284



24.1962, 25.6759, 7.6242



16.6114, 25.6759, 46.1587

Complementary

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



34.5800, 25.6759, 44.7284



28.4325, 40.9333, 25.4727

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.



15.4897, 25.6759, 28.5583



34.5800, 25.6759, 44.7284



19.4548, 25.6759, 9.5540

Square

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



34.5800, 25.6759, 44.7284



29.7150, 25.6759, 9.2650



16.4505, 25.6759, 16.0091



19.7671, 25.6759, 62.5586

Rectangle

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



34.5800, 25.6759, 44.7284



35.3203, 25.6759, 18.6060



16.4505, 25.6759, 16.0091



16.0066, 25.6759, 40.0093

Sweetspot

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



34.5808, 25.6771, 44.7289



77.7963, 74.5141, 93.1035



23.1517, 19.6533, 50.1509



16.5446, 15.6772, 19.8872



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.5808, 25.6771, 44.7289



59.1573, 40.2091, 77.7256



31.4157, 24.4110, 28.0619



9.8682, 9.6716, 11.6947



18.4871, 9.0260, 23.6563



0.7408, 0.3602, 1.0143

Inverse Universe

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



34.5808, 25.6771, 44.7289



59.1573, 40.2091, 77.7256



31.1833, 42.0336, 39.9583



9.8682, 9.6716, 11.6947



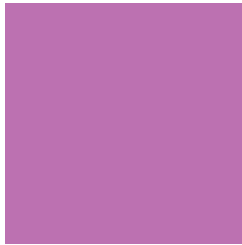
18.4871, 9.0260, 23.6563



0.7408, 0.3602, 1.0143

Previews

White Background



This preview shows how the XYZ color 34.5800, 25.6759, 44.7284 looks on a white background.

Color Contrast Check

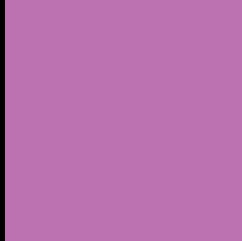
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.5800, 25.6759, 44.7284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

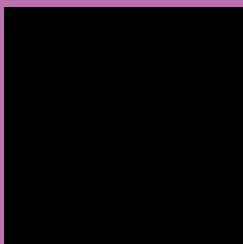
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.5800, 25.6759, 44.7284

Background



This preview shows how black text looks on a background with the XYZ color 34.5800, 25.6759, 44.7284.



This preview shows how white text looks on a background with the XYZ color 34.5800, 25.6759,

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

34.5800, 25.6759, 44.7284

Protanopia

26.6811, 25.8964, 55.2220

Deuteranopia

26.3387, 25.7763, 43.1223



Tritanopia

30.4158, 25.5301, 25.1545

Trichromacy



Original Color

34.5800, 25.6759, 44.7284

Protanomaly

28.4733, 25.0889, 50.9189

Deuteranomaly

28.6856, 25.3644, 43.4283

Tritanomaly

31.7093, 25.5221, 31.2720

Monochromacy



Original Color

34.5800, 25.6759, 44.7284

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

28.4657, 26.2400, 34.5749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5800, 25.6759, 44.7284 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(188, 113, 177)` looks like.

```
.text, #text, p{  
    color:rgb(188, 113, 177)  
}
```

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(188, 113, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 113, 177) }
```

Border

The CSS property to change the border of an element to XYZ 34.5800, 25.6759, 44.7284 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(188, 113, 177) }
```


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

```
.border{ border-color:rgb(188, 113, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 113, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 113, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 113, 177);  
box-shadow:4px 4px 4px 4px rgb(188, 113,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5800, 25.6759, 44.7284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 113, 177) }
```

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

```
.background{ background-color: rgb(188,  
113, 177) }
```

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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