

Converting Colors

XYZ(34.1552, 25.0173, 43.3923)

Have a look what the booklet for
XYZ(34.1552, 25.0173, 43.3923)
contains.

XYZ(34.3001, 25.0658, 43.5878)	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(34.3001, 25.0658,
43.5878)**

Conversions

Conversions Part 1

Format	Color
Hex	BD6EAF
RGB	189, 110, 175
RGB Percent	74%, 43%, 69%
CMY	0.2588, 0.5686, 0.3137
CMYK	0.00, 0.42, 0.07, 0.26
HSL	311°, 37%, 59%
HSV	311°, 42%, 74%
XYZ	34.3001, 25.0658, 43.5878
YIQ	141.0310, 26.2190, 36.9630

Conversions

Conversions Part 2

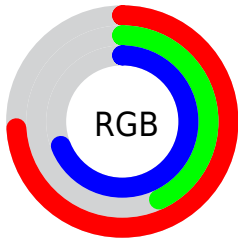
Format	Color
R _{YB}	189, 110, 175
Decimal	12414639
CIE _{Lab}	57.14, 40.72, -21.30
CIE _{LCh}	57, 45.954, 332.390
Yxy	25.0658, 0.3332, 0.2435
Android (android.graphics.Color)	4290604719 (0xFFBD6EAF)
YUV	141.0310, 16.7467, 42.0688
Hunter-Lab	50.0658, 34.6755, -16.5725

Details

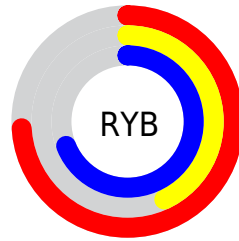
The XYZ color **34.3001, 25.0658, 43.5878** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **28.2672, 41.1664, 25.5265**, and the grayscale version is **25.2595, 26.5750, 28.9402**.

A 20% lighter version of the original color is **65.8788, 51.7381, 82.1156**, and **14.9083, 9.6014, 19.4799** is the 20% darker color. If you saturate the color by 10%, you get **32.1495, 21.2841, 41.2680**, and if you desaturate by 10%, it is **36.8954, 29.7228, 46.0966**.

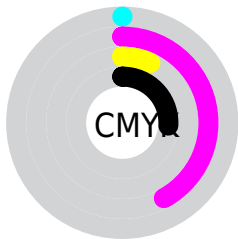
Distribution



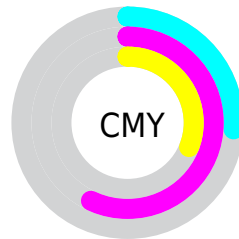
- Red (74%)
- Green (43%)
- Blue (69%)



- Red (74%)
- Yellow (43%)
- Blue (69%)



- Cyan (0%)
- Magenta (42%)
- Yellow (7%)
- Black (26%)



- Cyan (26%)
- Magenta (57%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.3001, 25.0658, 43.5878 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 34.3001, 25.0658, 43.5878 by changing the saturation by 10% instead.

 34.3001, 25.0658,
43.5878


 34.3001, 25.0658,
43.5878


313.0305,
278.1655, 377.0155


 23.2882, 16.1261,
30.0118


 65.7413, 51.7639,
81.8930


 14.9283, 9.6134,
19.5954


 86.9013, 70.2912,
107.4592

 8.8551, 5.1434,
11.9201


 112.1747, 92.7830,
137.8592

 4.7031, 2.3316,
6.5674

 141.9269,
119.6239, 173.5116

 2.1071, 0.7904,
3.1188

176.5232,
151.1982, 214.8349

 0.6931, 0.0000,
1.1556

216.3290,

 0.0000, 0.0000,

187.8903, 262.2476

0.0000

261.7097,
230.0846, 316.1683

■ 34.3001, 25.0658,
43.5878

■ 34.3001, 25.0658,
43.5878

■ 32.1495, 21.2841,
41.2680

■ 36.8954, 29.7228,
46.0966

■ 30.4131, 18.3185,
39.1260

■ 39.9584, 35.3025,
48.8016

■ 29.0607, 16.1078,
37.1517

■ 43.5135, 41.8532,
51.7115

■ 28.0565, 14.5808,
35.3328

■ 47.5826, 49.4186,
54.8338

■ 27.3579, 13.6523,
33.6550

■ 52.1863, 58.0398,
58.1758

■ 26.9454, 13.2025,
32.3612

■ 57.3441, 67.7556,
61.7440

■ 63.0745, 78.6030,
65.5451

■ 67.3833, 86.5937,
68.9145

■ 67.7839, 86.7539,
71.0237

Harmonies

Analogous

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



29.8523, 25.0658, 61.0366



34.3001, 25.0658, 43.5878



35.8233, 25.0658, 26.0671

Triad

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



34.3001, 25.0658, 43.5878



23.3925, 25.0658, 7.0178



16.0652, 25.0658, 46.5988

Complementary

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



34.3001, 25.0658, 43.5878



28.2672, 41.1664, 25.5265

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.



14.8573, 25.0658, 28.5555



34.3001, 25.0658, 43.5878



18.6678, 25.0658, 9.0548

Square

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



34.3001, 25.0658, 43.5878



28.9863, 25.0658, 8.4715



15.7334, 25.0658, 15.6680



19.3147, 25.0658, 63.1890

Rectangle

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



34.3001, 25.0658, 43.5878



34.8140, 25.0658, 17.4317



15.7334, 25.0658, 15.6680



15.4313, 25.0658, 40.3083

Sweetspot

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



34.3009, 25.0669, 43.5883



76.9783, 73.1944, 91.8560



22.9546, 19.0505, 50.6121



16.2403, 15.1610, 19.5009



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.



34.3009, 25.0669, 43.5883



57.9289, 38.7275, 74.3097



31.0309, 23.7589, 26.3686



9.8554, 9.6665, 11.6276



18.1549, 8.8931, 21.9069



0.7305, 0.3561, 0.9600

Inverse Universe

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



34.3009, 25.0669, 43.5883



57.9289, 38.7275, 74.3097



31.2100, 42.3435, 41.0232



9.8554, 9.6665, 11.6276



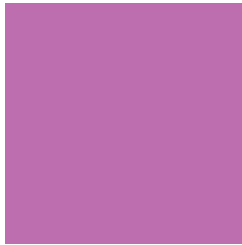
18.1549, 8.8931, 21.9069



0.7305, 0.3561, 0.9600

Previews

White Background



This preview shows how the XYZ color 34.3001, 25.0658, 43.5878 looks on a white background.

Color Contrast Check

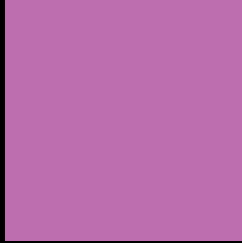
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.3001, 25.0658, 43.5878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

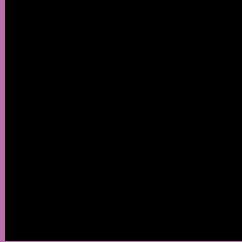
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.3001, 25.0658, 43.5878

Background



This preview shows how black text looks on a background with the XYZ color 34.3001, 25.0658, 43.5878.



This preview shows how white text looks on a background with the XYZ color 34.3001, 25.0658,

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

34.3001, 25.0658, 43.5878

Protanopia

26.1495, 25.4253, 54.5683

Deuteranopia

25.8462, 25.3366, 42.0563



Tritanopia

30.2074, 25.0852, 24.0187

Trichromacy



Original Color

34.3001, 25.0658, 43.5878

Protanomaly

28.0606, 24.6959, 50.3015

Deuteranomaly

28.2337, 24.7703, 42.3228

Tritanomaly

31.4413, 24.8804, 30.3394

Monochromacy



Original Color

34.3001, 25.0658, 43.5878

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

27.8330, 25.5343, 33.5986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3001, 25.0658, 43.5878 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(189, 110, 175)` looks like.

```
.text, #text, p{  
    color:rgb(189, 110, 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(189, 110, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 110, 175) }
```

Border

The CSS property to change the border of an element to XYZ 34.3001, 25.0658, 43.5878 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(189, 110, 175) }
```


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

```
.border{ border-color:rgb(189, 110, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 110, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 110, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 110, 175);  
box-shadow:4px 4px 4px 4px rgb(189, 110,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3001, 25.0658, 43.5878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 110, 175) }
```

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

```
.background{ background-color: rgb(189,  
110, 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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