

Converting Colors

XYZ(33.9810, 24.2706, 45.7304)

Have a look what the booklet for
XYZ(33.9810, 24.2706, 45.7304)
contains.

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Color

**XYZ(34.0298, 24.2541,
45.5358)**

Conversions

Conversions Part 1

Format	Color
Hex	BC6AB3
RGB	188, 106, 179
RGB Percent	74%, 42%, 70%
CMY	0.2627, 0.5843, 0.2980
CMYK	0.00, 0.44, 0.05, 0.26
HSL	307°, 38%, 58%
HSV	307°, 44%, 74%
XYZ	34.0298, 24.2541, 45.5358
YIQ	138.8400, 25.4390, 40.0870

Conversions

Conversions Part 2

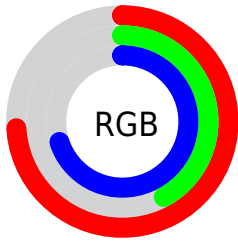
Format	Color
RYB	188, 106, 179
Decimal	12348083
CIELab	56.34, 43.22, -24.84
CIELCh	56, 49.852, 330.117
Yxy	24.2541, 0.3278, 0.2336
Android (android.graphics.Color)	4290538163 (0xFFBC6AB3)
YUV	138.8400, 19.7989, 43.1133
Hunter-Lab	49.2485, 37.1555, -20.3464

Details

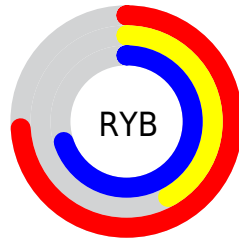
The XYZ color **34.0298, 24.2541, 45.5358** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **27.0227, 40.2693, 22.5697**, and the grayscale version is **24.3993, 25.6699, 27.9546**.

A 20% lighter version of the original color is **65.3996, 50.3873, 84.8760**, and **14.8049, 9.2253, 20.7390** is the 20% darker color. If you saturate the color by 10%, you get **32.0936, 20.7129, 43.8685**, and if you desaturate by 10%, it is **36.3953, 28.6481, 47.3621**.

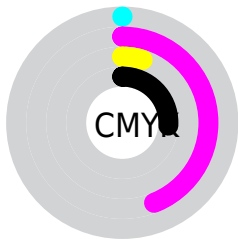
Distribution



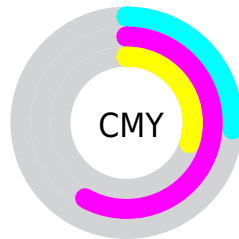
- Red (74%)
- Green (42%)
- Blue (70%)



- Red (74%)
- Yellow (42%)
- Blue (70%)



- Cyan (0%)
- Magenta (44%)
- Yellow (5%)
- Black (26%)





- Cyan (26%)
- Magenta (58%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.0298, 24.2541, 45.5358 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 34.0298, 24.2541, 45.5358 by changing the saturation by 10% instead.

 34.0298, 24.2541,
45.5358


 34.0298, 24.2541,
45.5358

311.8485,
274.1026, 385.1625

 23.0795, 15.5222,
31.5337


 65.3240, 50.4445,
84.8508


 14.7732, 9.1867,
20.7437


 86.3986, 68.6719,
111.0007

 8.7457, 4.8632,
12.7474


 111.5786, 90.8332,
142.0370

 4.6314, 2.1672,
7.1261

 141.2295,
117.3128, 178.3782

 2.0652, 0.7020,
3.4615

175.7166,
148.4952, 220.4428

 0.6702, 0.0000,
1.3348

215.4052,

 0.0000, 0.0000,

184.7647, 268.6493

0.0901

260.6607,
226.5057, 323.4164

■ 0.0000, 0.0000,
0.0000

■ 34.0298, 24.2541,
45.5358

■ 34.0298, 24.2541,
45.5358

■ 32.0936, 20.7129,
43.8685

■ 36.3953, 28.6481,
47.3621

■ 30.5564, 17.9650,
42.3494

■ 39.2134, 33.9427,
49.3544

■ 29.3875, 15.9488,
40.9682

■ 42.5083, 40.1859,
51.5213

■ 28.5507, 14.5919,
39.7130

■ 46.3019, 47.4215,
53.8700

■ 28.0025, 13.8072,
38.5692

■ 50.6148, 55.6904,
56.4074

■ 27.7482, 13.4951,
37.8786

■ 55.4662, 65.0314,
59.1402

■ 60.8746, 75.4812,
62.0743

■ 66.4074, 86.1748,
65.0659

■ 66.6433, 86.2691,
66.3076

Harmonies

Analogous

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



29.0577, 24.2541, 64.3609



34.0298, 24.2541, 45.5358



35.9714, 24.2541, 26.3440

Triad

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



34.0298, 24.2541, 45.5358



23.0302, 24.2541, 5.7131



14.7503, 24.2541, 45.6969

Complementary

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



34.0298, 24.2541, 45.5358



27.0227, 40.2693, 22.5697

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.



13.6696, 24.2541, 26.4733



34.0298, 24.2541, 45.5358



17.9380, 24.2541, 7.3962

Square

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



34.0298, 24.2541, 45.5358



29.0121, 24.2541, 7.3686



14.7336, 24.2541, 13.5649



17.9711, 24.2541, 64.4780

Rectangle

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



34.0298, 24.2541, 45.5358



35.0716, 24.2541, 16.9461



14.7336, 24.2541, 13.5649



14.1512, 24.2541, 38.8654

Sweetspot

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



34.0306, 24.2552, 45.5363



77.2977, 73.3222, 93.5381



21.1977, 17.5310, 49.8443



16.3201, 15.1929, 19.9214



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.



34.0306, 24.2552, 45.5363



58.4060, 37.9766, 79.7252



30.5397, 22.8588, 27.1533



9.8836, 9.6777, 11.7761



18.9090, 9.1948, 25.8784



0.7537, 0.3654, 1.0824

Inverse Universe

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



34.0306, 24.2552, 45.5363



58.4060, 37.9766, 79.7252



29.8613, 41.4048, 37.5177



9.8836, 9.6777, 11.7761



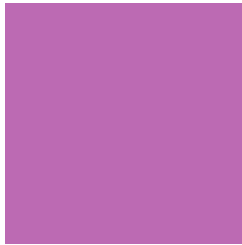
18.9090, 9.1948, 25.8784



0.7537, 0.3654, 1.0824

Previews

White Background



This preview shows how the XYZ color 34.0298, 24.2541, 45.5358 looks on a white background.

Color Contrast Check

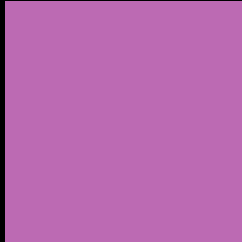
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.0298, 24.2541, 45.5358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

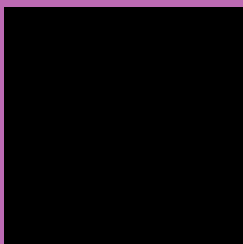
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.0298, 24.2541, 45.5358

Background



This preview shows how black text looks on a background with the XYZ color 34.0298, 24.2541, 45.5358.



This preview shows how white text looks on a background with the XYZ color 34.0298, 24.2541,

45.5358.

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

34.0298, 24.2541, 45.5358

Protanopia

25.6229, 24.4559, 58.0136

Deuteranopia

24.9296, 24.4202, 43.4440



Tritanopia

29.4186, 24.1740, 22.8542

Trichromacy



Original Color

34.0298, 24.2541, 45.5358



Protanomaly

27.4126, 23.5471, 52.9694



Deuteranomaly

27.4971, 23.7845, 44.2159



Tritanomaly

30.7831, 24.0449, 29.8068

Monochromacy



Original Color

34.0298, 24.2541, 45.5358



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

27.3267, 24.6799, 33.8953

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0298, 24.2541, 45.5358 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, 106, 179)` looks like.

```
.text, #text, p{  
    color:rgb(188, 106, 179)  
}
```

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, 106, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 106, 179) }
```

Border

The CSS property to change the border of an element to XYZ 34.0298, 24.2541, 45.5358 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, 106, 179) }
```


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

```
.border{ border-color:rgb(188, 106, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 106, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 106, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 106, 179);  
box-shadow:4px 4px 4px 4px rgb(188, 106,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0298, 24.2541, 45.5358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 106, 179) }
```

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

```
.background{ background-color: rgb(188,  
106, 179) }
```

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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