

Converting Colors

XYZ(34.6978, 24.9387, 50.0629)

Have a look what the booklet for
XYZ(34.6978, 24.9387, 50.0629)
contains.

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Color

**XYZ(34.6880, 24.9642,
50.0040)**

Conversions

Conversions Part 1

Format	Color
Hex	BA6DBB
RGB	186, 109, 187
RGB Percent	73%, 43%, 73%
CMY	0.2706, 0.5725, 0.2667
CMYK	0.01, 0.42, 0.00, 0.27
HSL	299°, 36%, 58%
HSV	299°, 42%, 73%
XYZ	34.6880, 24.9642, 50.0040
YIQ	140.9150, 20.8540, 40.5820

Conversions

Conversions Part 2

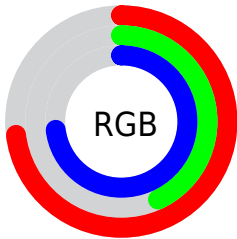
Format	Color
R_{YB}	186, 109, 187
Decimal	12217787
CIE _{Lab}	57.04, 42.48, -28.37
CIE _{LCh}	57, 51.087, 326.264
Yxy	24.9642, 0.3163, 0.2277
Android (android.graphics.Color)	4290407867 (0xFFBA6DBB)
YUV	140.9150, 22.7199, 39.5395
Hunter-Lab	49.9642, 36.4876, -24.3623

Details

The XYZ color **34.6880, 24.9642, 50.0040** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **26.9618, 39.9603, 20.7612**, and the grayscale version is **25.1930, 26.5050, 28.8639**.

A 20% lighter version of the original color is **66.0601, 51.3664, 91.2270**, and **15.1068, 9.5449, 23.2364** is the 20% darker color. If you saturate the color by 10%, you get **32.8435, 21.3609, 49.4061**, and if you desaturate by 10%, it is **36.9586, 29.4185, 50.7444**.

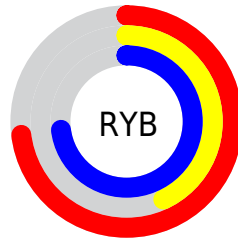
Distribution



Red (73%)

Green (43%)

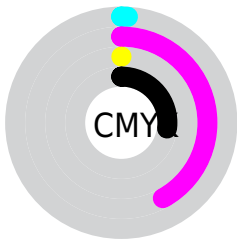
Blue (73%)



Red (73%)

Yellow (43%)

Blue (73%)

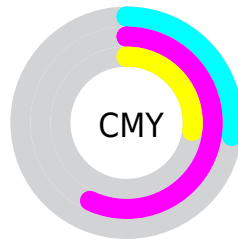


Cyan (1%)

Magenta (42%)

Yellow (0%)

Black (27%)



Cyan (27%)


Magenta (57%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.6880, 24.9642, 50.0040 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 34.6880, 24.9642, 50.0040 by changing the saturation by 10% instead.


 34.6880, 24.9642,
50.0040


 34.6880, 24.9642,
50.0040


314.7212,
277.6596, 403.4171

 23.5880, 16.0504,
35.0454


 66.3394, 51.5991,
91.5772


 15.1514, 9.5598,
23.4140


 87.6215, 70.0891,
119.0288

 9.0127, 5.1081,
14.6913


 113.0283, 92.5398,
151.4818

 4.8066, 2.3108,
8.4588

 142.9253,
119.3357, 189.3548

 2.1679, 0.7794,
4.2980

177.6777,
150.8613, 233.0663

 0.7257, 0.0000,
1.7902

217.6509,

 0.0000, 0.0000,

187.5009, 283.0348

0.4215

263.2103,
229.6388, 339.6789

■ 0.0000, 0.0000,
0.0000

■ 34.6880, 24.9642,
50.0040

■ 34.6880, 24.9642,
50.0040

■ 32.8435, 21.3609,
49.4061

■ 36.9586, 29.4185,
50.7444

■ 31.3954, 18.5509,
48.9400

■ 39.6777, 34.7699,
51.6341

■ 30.3143, 16.4748,
48.5963

■ 42.8687, 41.0653,
52.6810

■ 29.5656, 15.0633,
48.3633

■ 46.5532, 48.3473,
53.8924

■ 29.1080, 14.2338,
48.2273

■ 50.7510, 56.6559,
55.2749

■ 28.8822, 13.8531,
48.1657

■ 55.4812, 66.0290,
56.8347

■ 60.7615, 76.5023,
58.5780

■ 65.4485, 85.7888,
60.1234

■ 65.5075, 85.8192,
60.1262

Harmonies

Analogous

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



29.2148, 24.9642, 68.9486



34.6880, 24.9642, 50.0040



37.2212, 24.9642, 29.3949

Triad

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



34.6880, 24.9642, 50.0040



24.4884, 24.9642, 5.7311



14.8035, 24.9642, 44.6052

Complementary

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



34.6880, 24.9642, 50.0040



26.9618, 39.9603, 20.7612

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.



13.9671, 24.9642, 25.0826



34.6880, 24.9642, 50.0040



18.9747, 24.9642, 6.9995

Square

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



34.6880, 24.9642, 50.0040



30.7382, 24.9642, 7.9088



15.3599, 24.9642, 12.6380



17.8735, 24.9642, 65.0163

Rectangle

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



34.6880, 24.9642, 50.0040



36.6334, 24.9642, 18.9299



15.3599, 24.9642, 12.6380



14.2767, 24.9642, 37.5388

Sweetspot

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



34.6888, 24.9653, 50.0045



75.8640, 71.7441, 94.0509



20.8857, 18.0569, 49.3986



16.4168, 15.2275, 20.6165



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.



34.6888, 24.9653, 50.0045



59.0899, 38.7787, 88.5721



31.4117, 23.6826, 31.4761



9.9176, 9.6899, 12.0198



19.9050, 9.5475, 33.1866



0.7836, 0.3760, 1.3001

Inverse Universe

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



28.7774, 22.6289, 17.6038



47.1113, 34.0486, 22.7219



29.3207, 40.8896, 33.8286



9.5350, 9.5383, 9.9403



14.1313, 7.2837, 0.7192



0.5552, 0.2860, 0.0372

Previews

White Background



This preview shows how the XYZ color 34.6880, 24.9642, 50.0040 looks on a white background.

Color Contrast Check

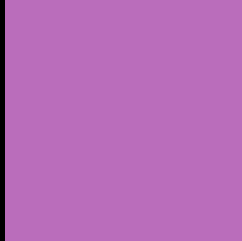
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.6880, 24.9642, 50.0040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

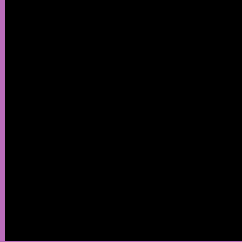
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.6880, 24.9642, 50.0040

Background



This preview shows how black text looks on a background with the XYZ color 34.6880, 24.9642, 50.0040.



This preview shows how white text looks on a background with the XYZ color 34.6880, 24.9642,

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

34.6880, 24.9642, 50.0040

Protanopia

26.7312, 25.3268, 63.1542

Deuteranopia

25.7117, 25.1410, 47.7535



Tritanopia

29.5245, 24.8971, 24.7222

Trichromacy



Original Color

34.6880, 24.9642, 50.0040

Protanomaly

28.5336, 24.5808, 57.8843

Deuteranomaly

28.3253, 24.6783, 48.6179

Tritanomaly

31.2386, 24.9020, 32.4383

Monochromacy



Original Color

34.6880, 24.9642, 50.0040

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

27.9264, 25.3372, 35.7664

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6880, 24.9642, 50.0040 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(186, 109, 187)` looks like.

```
.text, #text, p{  
    color:rgb(186, 109, 187)  
}
```

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(186, 109, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 109, 187) }
```

Border

The CSS property to change the border of an element to XYZ 34.6880, 24.9642, 50.0040 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(186, 109, 187) }
```


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

```
.border{ border-color:rgb(186, 109, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 109, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 109, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 109, 187);  
box-shadow:4px 4px 4px 4px rgb(186, 109,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6880, 24.9642, 50.0040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 109, 187) }
```

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

```
.background{ background-color: rgb(186,  
109, 187) }
```

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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