

Converting Colors

XYZ(34.2418, 26.4625, 40.1398)

Have a look what the booklet for
XYZ(34.2418, 26.4625, 40.1398)
contains.

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Color

**XYZ(34.2854, 26.4754,
40.3490)**

Conversions

Conversions Part 1

Format	Color
Hex	BC76A8
RGB	188, 118, 168
RGB Percent	74%, 46%, 66%
CMY	0.2627, 0.5372, 0.3412
CMYK	0.00, 0.37, 0.11, 0.26
HSL	317°, 34%, 60%
HSV	317°, 37%, 74%
XYZ	34.2854, 26.4754, 40.3490
YIQ	144.6300, 25.6700, 30.3900

Conversions

Conversions Part 2

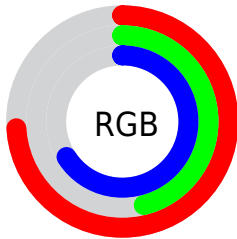
Format	Color
RYB	188, 118, 168
Decimal	12351144
CIELab	58.49, 34.87, -15.23
CIELCh	58, 38.050, 336.402
Yxy	26.4754, 0.3391, 0.2618
Android (android.graphics.Color)	4290541224 (0xFFBC76A8)
YUV	144.6300, 11.5214, 38.0355
Hunter-Lab	51.4543, 28.8946, -10.4756

Details

The XYZ color **34.2854, 26.4754, 40.3490** is a light color, and the websafe version is hex **996699**. A complement of this color would be **30.0431, 41.6539, 30.5032**, and the grayscale version is **26.7119, 28.1030, 30.6041**.

A 20% lighter version of the original color is **65.5384, 53.8660, 76.7550**, and **14.8924, 10.3817, 17.7420** is the 20% darker color. If you saturate the color by 10%, you get **31.7982, 22.2850, 37.1017**, and if you desaturate by 10%, it is **37.2361, 31.5589, 43.8533**.

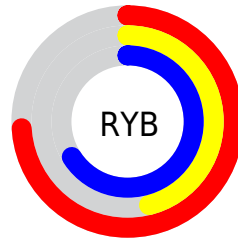
Distribution



Red (74%)

Green (46%)

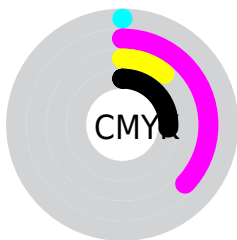
Blue (66%)



Red (74%)

Yellow (46%)

Blue (66%)

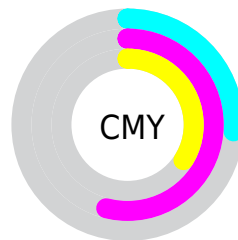


Cyan (0%)

Magenta (37%)

Yellow (11%)

Black (26%)



Cyan (26%)


Magenta (54%)

Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2854, 26.4754, 40.3490 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 34.2854, 26.4754, 40.3490 by changing the saturation by 10% instead.


 34.2854, 26.4754,
40.3490


 34.2854, 26.4754,
40.3490


312.9663,
285.1080, 363.1881


 23.2769, 17.1796,
27.4949


 65.7186, 54.0409,
76.9376

 14.9199, 10.3626,
17.7095


 86.8740, 73.0794,
101.5091

 8.8491, 5.6401,
10.5744


 112.1423, 96.1343,
130.8235

 4.6992, 2.6275,
5.6709

141.8890,
123.5899, 165.2994

 2.1048, 0.9405,
2.5805

176.4794,
155.8307, 205.3553

 0.6918, 0.0000,
0.8823

216.2789,

 0.0000, 0.0000,

193.2411, 251.4096

0.0000

261.6527,
236.2054, 303.8811

■ 34.2854, 26.4754,
40.3490

■ 34.2854, 26.4754,
40.3490

■ 31.7982, 22.2850,
37.1017

■ 37.2361, 31.5589,
43.8533

■ 29.7454, 18.9313,
34.0998

■ 40.6724, 37.5803,
47.6224

■ 28.0986, 16.3571,
31.3328

■ 44.6176, 44.5858,
51.6656

■ 26.8244, 14.4964,
28.7883

■ 49.0930, 52.6175,
55.9910

■ 25.8843, 13.2722,
26.4521

■ 54.1185, 61.7148,
60.6065

■ 25.2234, 12.5755,
24.3048

■ 59.7131, 71.9153,
65.5194

■ 25.0621, 12.4206,
23.7343

■ 65.8948, 83.2546,
70.7370

■ 68.2541, 86.9134,
74.7903

■ 68.9389, 87.1873,
78.3966

Harmonies

Analogous

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



30.8558, 26.4754, 54.7593



34.2854, 26.4754, 40.3490



35.1433, 26.4754, 26.0633

Triad

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



34.2854, 26.4754, 40.3490



24.1795, 26.4754, 10.1254



18.6281, 26.4754, 46.8637

Complementary

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



34.2854, 26.4754, 40.3490



30.0431, 41.6539, 30.5032

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.



17.2791, 26.4754, 31.7799



34.2854, 26.4754, 40.3490



20.2192, 26.4754, 12.7311

Square

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



34.2854, 26.4754, 40.3490



28.9182, 26.4754, 11.1449



17.8236, 26.4754, 19.7385



21.7498, 26.4754, 59.2597

Rectangle

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



34.2854, 26.4754, 40.3490



34.0584, 26.4754, 18.8685



17.8236, 26.4754, 19.7385



17.9710, 26.4754, 41.7882

Sweetspot

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



34.2862, 26.4766, 40.3495



77.9262, 75.5736, 90.6818



26.0104, 21.9782, 50.4489



16.5486, 15.8803, 19.2869



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.



34.2862, 26.4766, 40.3495



58.2516, 41.4247, 68.0919



31.4637, 25.3476, 25.4863



9.8106, 9.6485, 11.3914



17.0967, 8.4698, 16.3346



0.6965, 0.3425, 0.7812

Inverse Universe

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



34.2862, 26.4766, 40.3495



58.2516, 41.4247, 68.0919



32.9821, 42.8295, 45.9802



9.8106, 9.6485, 11.3914



17.0967, 8.4698, 16.3346



0.6965, 0.3425, 0.7812

Previews

White Background



This preview shows how the XYZ color 34.2854, 26.4754, 40.3490 looks on a white background.

Color Contrast Check

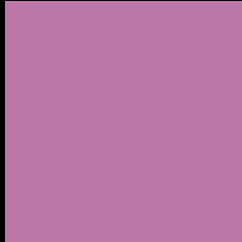
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.2854, 26.4754, 40.3490 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 34.2854, 26.4754, 40.3490

Background



This preview shows how black text looks on a background with the XYZ color 34.2854, 26.4754, 40.3490.



This preview shows how white text looks on a background with the XYZ color 34.2854, 26.4754,

40.3490.

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

34.2854, 26.4754, 40.3490

Protanopia

26.9858, 26.6300, 48.5175

Deuteranopia

27.1170, 26.6969, 38.8458



Tritanopia

31.4039, 26.5788, 26.0293

Trichromacy



Original Color

34.2854, 26.4754, 40.3490

Protanomaly

28.9147, 26.0263, 45.6191

Deuteranomaly

29.2059, 26.3201, 39.1383

Tritanomaly

32.1554, 26.3087, 30.5774

Monochromacy



Original Color

34.2854, 26.4754, 40.3490

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

29.1117, 27.2049, 33.8537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2854, 26.4754, 40.3490 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, 118, 168)` looks like.

```
.text, #text, p{  
    color:rgb(188, 118, 168)  
}
```

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, 118, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 118, 168) }
```

Border

The CSS property to change the border of an element to XYZ 34.2854, 26.4754, 40.3490 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, 118, 168) }
```


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

```
.border{ border-color:rgb(188, 118, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 118, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 118, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 118, 168);  
box-shadow:4px 4px 4px 4px rgb(188, 118,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2854, 26.4754, 40.3490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 118, 168) }
```

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

```
.background{ background-color: rgb(188,  
118, 168) }
```

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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