

Converting Colors

XYZ(34.0679, 25.1696, 48.1533)

Have a look what the booklet for
XYZ(34.0679, 25.1696, 48.1533)
contains.

XYZ(34.2131, 25.2394, 48.4159)	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(34.2131, 25.2394,
48.4159)**

Conversions

Conversions Part 1

Format	Color
Hex	B870B8
RGB	184, 112, 184
RGB Percent	72%, 44%, 72%
CMY	0.2784, 0.5608, 0.2784
CMYK	0.00, 0.39, 0.00, 0.28
HSL	300°, 34%, 58%
HSV	300°, 39%, 72%
XYZ	34.2131, 25.2394, 48.4159
YIQ	141.7360, 19.8000, 37.6560

Conversions

Conversions Part 2

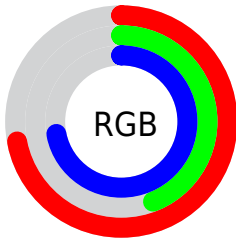
Format	Color
RYB	184, 112, 184
Decimal	12087480
CIELab	57.31, 39.69, -26.26
CIElCh	57, 47.594, 326.512
Yxy	25.2394, 0.3172, 0.2340
Android (android.graphics.Color)	4290277560 (0xFFB870B8)
YUV	141.7360, 20.8362, 37.0655
Hunter-Lab	50.2388, 33.6422, -21.9715

Details

The XYZ color **34.2131, 25.2394, 48.4159** is a light color, and the websafe version is hex **996699**. A complement of this color would be **26.7483, 38.8965, 21.4287**, and the grayscale version is **25.5226, 26.8517, 29.2415**.

A 20% lighter version of the original color is **65.4589, 51.9023, 89.0062**, and **14.8187, 9.6433, 22.5530** is the 20% darker color. If you saturate the color by 10%, you get **32.3869, 21.5864, 47.8073**, and if you desaturate by 10%, it is **36.4558, 29.7243, 49.1638**.

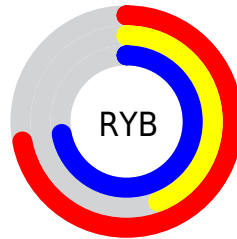
Distribution



Red (72%)

Green (44%)

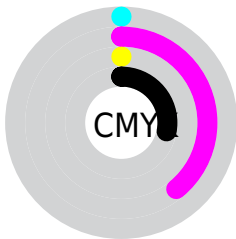
Blue (72%)



Red (72%)

Yellow (44%)

Blue (72%)

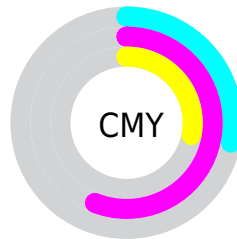


Cyan (0%)

Magenta (39%)

Yellow (0%)

Black (28%)



Cyan (28%)


Magenta (56%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2131, 25.2394, 48.4159 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 34.2131, 25.2394, 48.4159 by changing the saturation by 10% instead.

 34.2131, 25.2394,
48.4159


 34.2131, 25.2394,
48.4159


312.6504,
279.0281, 396.9945


 23.2210, 16.2555,
33.7940


 65.6070, 52.0453,
89.1953


 14.8784, 9.7051,
22.4593


 86.7396, 70.6362,
116.1899

 8.8198, 5.2039,
13.9933

 111.9830, 93.1981,
148.1459

 4.6800, 2.3674,
7.9773

 141.7026,
120.1155, 185.4817

 2.0936, 0.8090,
3.9928

176.2638,
151.7728, 228.6159

 0.6857, 0.0000,
1.6214

216.0319,

 0.0000, 0.0000,

188.5544, 277.9671

0.3060

261.3724,
230.8447, 333.9538

■ 0.0000, 0.0000,
0.0000

■ 34.2131, 25.2394,
48.4159

■ 34.2131, 25.2394,
48.4159

■ 32.3869, 21.5864,
47.8073

■ 36.4558, 29.7243,
49.1638

■ 30.9492, 18.7111,
47.3280

■ 39.1359, 35.0843,
50.0572

■ 29.8727, 16.5581,
46.9691


■ 42.2756, 41.3637,
51.1039


■ 29.1253, 15.0634,
46.7199


■ 45.8951, 48.6028,
52.3105


■ 28.6694, 14.1516,
46.5679


■ 50.0134, 56.8393,
53.6833


 28.4366, 13.6860,
46.4902

 54.6484, 66.1093,
55.2284

 28.4192, 13.6512,
46.4844

 59.8171, 76.4466,
56.9514

 64.1794, 85.1713,
58.4056

 64.1794, 85.1713,
58.4057

Harmonies

Analogous

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



29.1608, 25.2394, 65.6735



34.2131, 25.2394, 48.4159



36.5174, 25.2394, 29.4135

Triad

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



34.2131, 25.2394, 48.4159



24.6548, 25.2394, 6.6817



15.5380, 25.2394, 43.7995

Complementary

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



34.2131, 25.2394, 48.4159



26.7483, 38.8965, 21.4287

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.



14.7146, 25.2394, 25.6358



34.2131, 25.2394, 48.4159



19.4685, 25.2394, 8.0106

Square

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



34.2131, 25.2394, 48.4159



30.4811, 25.2394, 8.8699



16.0368, 25.2394, 13.6647



18.4916, 25.2394, 62.3554

Rectangle

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



34.2131, 25.2394, 48.4159



35.9553, 25.2394, 19.5684



16.0368, 25.2394, 13.6647



15.0250, 25.2394, 37.2831

Sweetspot

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



34.2139, 25.2405, 48.4164



74.7954, 71.3030, 92.0251



21.1291, 18.4951, 47.8044



15.9633, 15.0494, 19.7850



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



34.2139, 25.2405, 48.4164



59.1116, 39.9355, 86.7967



30.9076, 23.9180, 31.0058



9.3810, 9.1628, 11.3536



19.5860, 9.4081, 32.0361



0.6905, 0.3317, 1.1294

Inverse Universe

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



34.2139, 25.2405, 48.4164



59.1116, 39.9355, 86.7967



29.1689, 39.8648, 34.1754



9.3810, 9.1628, 11.3536



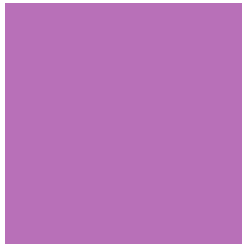
19.5860, 9.4081, 32.0361



0.6905, 0.3317, 1.1294

Previews

White Background



This preview shows how the XYZ color 34.2131, 25.2394, 48.4159 looks on a white background.

Color Contrast Check

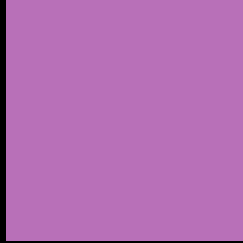
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.2131, 25.2394, 48.4159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

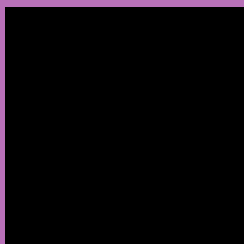
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.2131, 25.2394, 48.4159

Background



This preview shows how black text looks on a background with the XYZ color 34.2131, 25.2394, 48.4159.



This preview shows how white text looks on a background with the XYZ color 34.2131, 25.2394,

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

34.2131, 25.2394, 48.4159

Protanopia

26.7861, 25.6331, 60.0358

Deuteranopia

26.0956, 25.5707, 46.7403



Tritanopia

29.3793, 25.1790, 25.1414

Trichromacy



Original Color

34.2131, 25.2394, 48.4159

Protanomaly

28.5377, 24.8270, 55.5125

Deuteranomaly

28.3243, 24.9045, 47.0303

Tritanomaly

31.0051, 25.1313, 32.4948

Monochromacy



Original Color

34.2131, 25.2394, 48.4159

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

28.1067, 25.8350, 35.4036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2131, 25.2394, 48.4159 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(184, 112, 184)` looks like.

```
.text, #text, p{  
    color:rgb(184, 112, 184)  
}
```

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(184, 112, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 112, 184) }
```

Border

The CSS property to change the border of an element to XYZ 34.2131, 25.2394, 48.4159 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(184, 112, 184) }
```


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

```
.border{ border-color:rgb(184, 112, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 112, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 112, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 112, 184);  
box-shadow:4px 4px 4px 4px rgb(184, 112,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2131, 25.2394, 48.4159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 112, 184) }
```

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

```
.background{ background-color: rgb(184,  
112, 184) }
```

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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