

Converting Colors

XYZ(34.7019, 25.9986, 41.3759)

Have a look what the booklet for
XYZ(34.7019, 25.9986, 41.3759)
contains.

XYZ(34.7589, 26.0133, 41.2193)	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(34.7589, 26.0133,
41.2193)**

Conversions

Conversions Part 1

Format	Color
Hex	BF72AA
RGB	191, 114, 170
RGB Percent	75%, 45%, 67%
CMY	0.2510, 0.5529, 0.3333
CMYK	0.00, 0.40, 0.11, 0.25
HSL	316°, 38%, 60%
HSV	316°, 40%, 75%
XYZ	34.7589, 26.0133, 41.2193
YIQ	143.4070, 27.9160, 33.7400

Conversions

Conversions Part 2

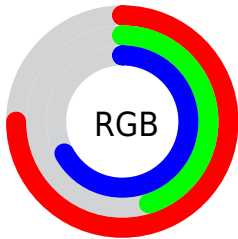
Format	Color
R _Y B	191, 114, 170
Decimal	12546730
CIE Lab	58.05, 38.38, -17.01
CIE LCh	58, 41.978, 336.098
Yxy	26.0133, 0.3408, 0.2551
Android (android.graphics.Color)	4290736810 (0xFFBF72AA)
YUV	143.4070, 13.1103, 41.7391
Hunter-Lab	51.0032, 32.3928, -12.2142

Details

The XYZ color **34.7589, 26.0133, 41.2193** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **29.9446, 42.5891, 29.5658**, and the grayscale version is **26.2132, 27.5783, 30.0328**.

A 20% lighter version of the original color is **66.4762, 53.2134, 78.0017**, and **15.2009, 10.0973, 18.2873** is the 20% darker color. If you saturate the color by 10%, you get **32.3423, 21.9528, 38.0305**, and if you desaturate by 10%, it is **37.6465, 30.9837, 44.6620**.

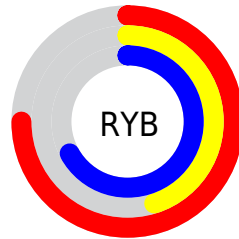
Distribution



Red (75%)

Green (45%)

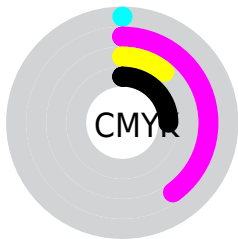
Blue (67%)



Red (75%)

Yellow (45%)

Blue (67%)

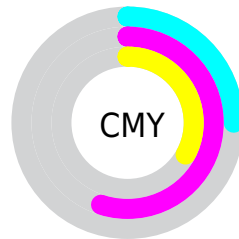


Cyan (0%)

Magenta (40%)

Yellow (11%)

Black (25%)



Cyan (25%)

Magenta (55%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7589, 26.0133, 41.2193 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 34.7589, 26.0133, 41.2193 by changing the saturation by 10% instead.

■ 34.7589, 26.0133,
41.2193

■ 34.7589, 26.0133,
41.2193

315.0295,
282.8474, 366.9401

■ 23.6429, 16.8336,
28.1695

■ 66.4486, 53.2964,
78.2740

■ 15.1922, 10.1159,
18.2133

■ 87.7529, 72.1686,
103.1159

■ 9.0416, 5.4759,
10.9322

■ 113.1841, 95.0404,
132.7256

■ 4.8256, 2.5291,
5.9077

■ 143.1074,
122.2962, 167.5217

■ 2.1790, 0.8912,
2.7211

177.8883,
154.3204, 207.9226

■ 0.7317, 0.0000,
0.9540

217.8920,

■ 0.0000, 0.0000,

191.4974, 254.3470

0.0000

263.4840,
234.2116, 307.2133

■ 34.7589, 26.0133,
41.2193

■ 34.7589, 26.0133,
41.2193

■ 32.3423, 21.9528,
38.0305

■ 37.6465, 30.9837,
44.6620

■ 30.3657, 18.7419,
35.0834

■ 41.0287, 36.9120,
48.3667

■ 28.7985, 16.3191,
32.3668

■ 44.9302, 43.8471,
52.3431

■ 27.6045, 14.6127,
29.8677

■ 49.3736, 51.8336,
56.5997

■ 26.7412, 13.5378,
27.5706

■ 54.3800, 60.9134,
61.1444

■ 26.1395, 12.9378,
25.5099

■ 59.9692, 71.1261,
65.9851

■ 66.1604, 82.5092,
71.1291

■ 69.0889, 87.3336,
75.2890

■ 69.7556, 87.6003,
78.7996

Harmonies

Analogous

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



30.9292, 26.0133, 57.4275



34.7589, 26.0133, 41.2193



35.7488, 26.0133, 25.4588

Triad

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



34.7589, 26.0133, 41.2193



23.7030, 26.0133, 8.6362



17.6504, 26.0133, 48.1789

Complementary

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



34.7589, 26.0133, 41.2193



29.9446, 42.5891, 29.5658

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.



16.2380, 26.0133, 31.3966



34.7589, 26.0133, 41.2193



19.4112, 26.0133, 11.2157

Square

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



34.7589, 26.0133, 41.2193



28.8919, 26.0133, 9.6903



16.8356, 26.0133, 18.4450



20.9791, 26.0133, 62.3138

Rectangle

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



34.7589, 26.0133, 41.2193



34.5611, 26.0133, 17.7258



16.8356, 26.0133, 18.4450



16.9581, 26.0133, 42.4776

Sweetspot

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



34.7597, 26.0145, 41.2198



79.0843, 76.0557, 92.3706



25.3393, 20.9099, 51.9912



17.1567, 16.3276, 20.0736



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



34.7597, 26.0145, 41.2198



58.5435, 40.3436, 68.9698



31.6668, 24.7773, 24.9327



9.8159, 9.6507, 11.4195



17.2136, 8.5166, 16.9500



0.7004, 0.3440, 0.8015

Inverse Universe

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



34.7597, 26.0145, 41.2198



58.5435, 40.3436, 68.9698



33.1173, 43.8582, 46.2730



9.8159, 9.6507, 11.4195



17.2136, 8.5166, 16.9500



0.7004, 0.3440, 0.8015

Previews

White Background



This preview shows how the XYZ color 34.7589, 26.0133, 41.2193 looks on a white background.

Color Contrast Check

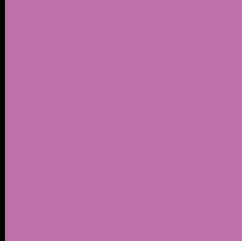
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.7589, 26.0133, 41.2193 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 34.7589, 26.0133, 41.2193

Background



This preview shows how black text looks on a background with the XYZ color 34.7589, 26.0133, 41.2193.



This preview shows how white text looks on a background with the XYZ color 34.7589, 26.0133,

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

34.7589, 26.0133, 41.2193

Protanopia

26.6623, 26.2004, 50.6656

Deuteranopia

26.8131, 26.3072, 39.7410



Tritanopia

31.3060, 25.9969, 24.8406

Trichromacy



Original Color

34.7589, 26.0133, 41.2193

Protanomaly

28.7684, 25.5207, 47.1258

Deuteranomaly

29.1234, 25.8615, 40.0160

Tritanomaly

32.4467, 25.9294, 30.0828

Monochromacy



Original Color

34.7589, 26.0133, 41.2193

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

28.4982, 26.2760, 33.7068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7589, 26.0133, 41.2193 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(191, 114, 170)` looks like.

```
.text, #text, p{  
    color:rgb(191, 114, 170)  
}
```

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(191, 114, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 114, 170) }
```

Border

The CSS property to change the border of an element to XYZ 34.7589, 26.0133, 41.2193 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(191, 114, 170) }
```


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

```
.border{ border-color:rgb(191, 114, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 114, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 114, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 114, 170);  
box-shadow:4px 4px 4px 4px rgb(191, 114,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7589, 26.0133, 41.2193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 114, 170) }
```

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

```
.background{ background-color: rgb(191,  
114, 170) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor