

Converting Colors

XYZ(34.4103, 26.5478, 50.3014)

Have a look what the booklet for
XYZ(34.4103, 26.5478, 50.3014)
contains.

XYZ(34.3889, 26.4848, 50.3133)	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(34.3889, 26.4848,
50.3133)**

Conversions

Conversions Part 1

Format	Color
Hex	B477BB
RGB	180, 119, 187
RGB Percent	71%, 47%, 73%
CMY	0.2941, 0.5333, 0.2667
CMYK	0.04, 0.36, 0.00, 0.27
HSL	294°, 33%, 60%
HSV	294°, 36%, 73%
XYZ	34.3889, 26.4848, 50.3133
YIQ	144.9910, 14.5280, 34.0800

Conversions

Conversions Part 2

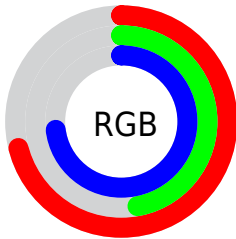
Format	Color
RYB	180, 119, 187
Decimal	11827131
CIELab	58.49, 35.19, -26.18
CIELCh	58, 43.860, 323.347
Yxy	26.4848, 0.3093, 0.2382
Android (android.graphics.Color)	4290017211 (0xFFB477BB)
YUV	144.9910, 20.7104, 30.7029
Hunter-Lab	51.4634, 29.2165, -21.9406

Details

The XYZ color **34.3889, 26.4848, 50.3133** is a light color, and the websafe version is hex **996699**. A complement of this color would be **29.7051, 41.3088, 23.8618**, and the grayscale version is **26.8252, 28.2222, 30.7339**.

A 20% lighter version of the original color is **65.8552, 53.9806, 91.7424**, and **15.0354, 10.4131, 23.7717** is the 20% darker color. If you saturate the color by 10%, you get **31.9338, 22.2347, 49.6227**, and if you desaturate by 10%, it is **37.2898, 31.6161, 51.1512**.

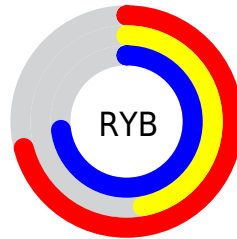
Distribution



Red (71%)

Green (47%)

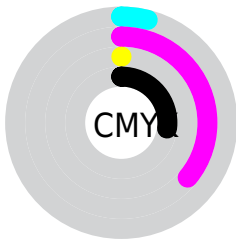
Blue (73%)



Red (71%)

Yellow (47%)

Blue (73%)

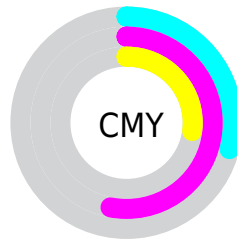


Cyan (4%)

Magenta (36%)

Yellow (0%)

Black (27%)



Cyan (29%)

Magenta (53%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.3889, 26.4848, 50.3133 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 34.3889, 26.4848, 50.3133 by changing the saturation by 10% instead.

34.3889, 26.4848,
50.3133

34.3889, 26.4848,
50.3133

313.4182,
285.1539, 404.6600

23.3568, 17.1867,
35.2895

65.8783, 54.0560,
92.0400

14.9793, 10.3677,
23.6006

87.0663, 73.0979,
119.5799

8.8911, 5.6434,
14.8282

112.3703, 96.1565,
152.1290

4.7268, 2.6295,
8.5536

142.1557,
123.6162, 190.1057

2.1210, 0.9415,
4.3584

176.7878,
155.8614, 233.9286

0.7006, 0.0000,
1.8239

216.6320,

0.0000, 0.0000,

193.2765, 284.0163

0.4437

262.0537,
236.2458, 340.7872

■ 0.0000, 0.0000,
0.0000

■ 34.3889, 26.4848,
50.3133

■ 34.3889, 26.4848,
50.3133

■ 31.9338, 22.2347,
49.6227

■ 37.2898, 31.6161,
51.1512

■ 29.8961, 18.8107,
49.0692

■ 40.6577, 37.6726,
52.1428

■ 28.2481, 16.1570,
48.6439

■ 44.5153, 44.6994,
53.2958

■ 26.9577, 14.2094,
48.3360

■ 48.8834, 52.7378,
54.6171

■ 25.9875, 12.8930,
48.1330

■ 53.7813, 61.8264,
56.1132

■ 25.2885, 12.1102,
48.0187

■ 59.2275, 72.0020,
57.7903

■ 25.0655, 11.8856,
47.9872

■ 65.2394, 83.2997,
59.6541

■ 67.3390, 86.7634,
60.2120

■ 67.8409, 87.0222,
60.2355

Harmonies

Analogous

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



29.4864, 26.4848, 65.3546



34.3889, 26.4848, 50.3133



36.8722, 26.4848, 32.3974

Triad

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



34.3889, 26.4848, 50.3133



26.3871, 26.4848, 8.3212



16.8402, 26.4848, 42.2013

Complementary

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



34.3889, 26.4848, 50.3133



29.7051, 41.3088, 23.8618

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.



16.2542, 26.4848, 25.5483



34.3889, 26.4848, 50.3133



21.3023, 26.4848, 9.3287

Square

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



34.3889, 26.4848, 50.3133



31.8469, 26.4848, 11.0364



17.7710, 26.4848, 14.5522



19.5034, 26.4848, 59.6252

Rectangle

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



34.3889, 26.4848, 50.3133



36.6030, 26.4848, 22.5410



17.7710, 26.4848, 14.5522



16.4109, 26.4848, 36.2092

Sweetspot

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



34.3898, 26.4860, 50.3139



76.2868, 73.7732, 94.4203



24.1592, 22.6725, 50.1170



16.5940, 15.8718, 20.7315



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.



34.3898, 26.4860, 50.3139



57.8659, 40.9738, 89.0603



33.5183, 26.3304, 37.0039



9.8306, 9.6450, 12.0158



17.3057, 8.2075, 33.0650



0.7061, 0.3360, 1.2965

Inverse Universe

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



30.8571, 25.2659, 22.9901



50.6978, 38.5292, 32.2172



30.4949, 41.5096, 33.2210



9.5690, 9.5519, 10.1194



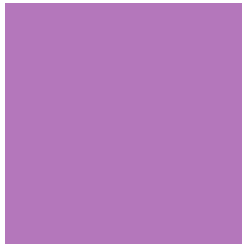
14.2158, 7.3175, 1.1642



0.5704, 0.2920, 0.1168

Previews

White Background



This preview shows how the XYZ color 34.3889, 26.4848, 50.3133 looks on a white background.

Color Contrast Check

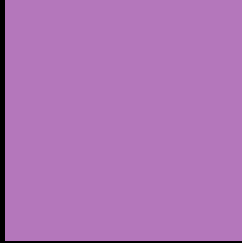
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.3889, 26.4848, 50.3133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

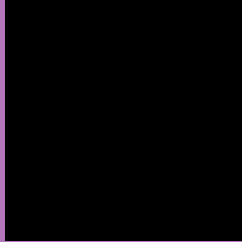
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.3889, 26.4848, 50.3133

Background



This preview shows how black text looks on a background with the XYZ color 34.3889, 26.4848, 50.3133.



This preview shows how white text looks on a background with the XYZ color 34.3889, 26.4848,

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

34.3889, 26.4848, 50.3133

Protanopia

27.7784, 26.7945, 59.5849

Deuteranopia

27.2956, 26.7897, 48.5320



Tritanopia

29.7440, 26.4488, 27.9636

Trichromacy



Original Color

34.3889, 26.4848, 50.3133

Protanomaly

29.4846, 26.2845, 56.3427

Deuteranomaly

29.2974, 26.3528, 48.8899

Tritanomaly

31.2389, 26.2976, 34.8820

Monochromacy



Original Color

34.3889, 26.4848, 50.3133

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

29.2499, 27.4155, 37.0078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3889, 26.4848, 50.3133 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(180, 119, 187)` looks like.

```
.text, #text, p{  
    color:rgb(180, 119, 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(180, 119, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 119, 187) }
```

Border

The CSS property to change the border of an element to XYZ 34.3889, 26.4848, 50.3133 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(180, 119, 187) }
```


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

```
.border{ border-color:rgb(180, 119, 187) }
```

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

Here you see how a box with a 4 pixel rgb(180, 119, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 119, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 119, 187);  
box-shadow:4px 4px 4px 4px rgb(180, 119,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3889, 26.4848, 50.3133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 119, 187) }
```

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

```
.background{ background-color: rgb(180,  
119, 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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