

Converting Colors

XYZ(33.9908, 26.4095, 48.8081)

Have a look what the booklet for
XYZ(33.9908, 26.4095, 48.8081)
contains.

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Color

**XYZ(33.9586, 26.4773,
48.6682)**

Conversions

Conversions Part 1

Format	Color
Hex	B378B8
RGB	179, 120, 184
RGB Percent	70%, 47%, 72%
CMY	0.2980, 0.5294, 0.2784
CMYK	0.03, 0.35, 0.00, 0.28
HSL	295°, 31%, 60%
HSV	295°, 35%, 72%
XYZ	33.9586, 26.4773, 48.6682
YIQ	144.9370, 14.6200, 32.4120

Conversions

Conversions Part 2

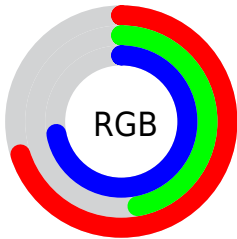
Format	Color
R_{YB}	179, 120, 184
Decimal	11761848
CIE _{Lab}	58.49, 33.73, -24.49
CIE _{LCh}	58, 41.680, 324.013
Yxy	26.4773, 0.3112, 0.2427
Android (android.graphics.Color)	4289951928 (0xFFB378B8)
YUV	144.9370, 19.2581, 29.8733
Hunter-Lab	51.4561, 27.7534, -20.0584

Details

The XYZ color **33.9586, 26.4773, 48.6682** is a light color, and the websafe version is hex **996699**. A complement of this color would be **28.9889, 39.9976, 23.9630**, and the grayscale version is **26.8089, 28.2051, 30.7153**.

A 20% lighter version of the original color is **65.2638, 54.0113, 89.4235**, and **14.7443, 10.3790, 22.6990** is the 20% darker color. If you saturate the color by 10%, you get **31.6245, 22.2992, 47.9852**, and if you desaturate by 10%, it is **36.7230, 31.5098, 49.4943**.

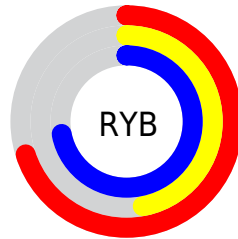
Distribution



Red (70%)

Green (47%)

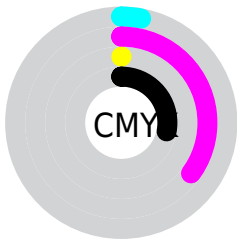
Blue (72%)



Red (70%)

Yellow (47%)

Blue (72%)

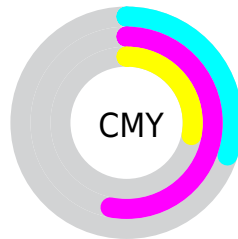


Cyan (3%)

Magenta (35%)

Yellow (0%)

Black (28%)



Cyan (30%)

Magenta (53%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9586, 26.4773, 48.6682 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 33.9586, 26.4773, 48.6682 by changing the saturation by 10% instead.

■ 33.9586, 26.4773,
48.6682

■ 33.9586, 26.4773,
48.6682

311.5366,
285.1173, 398.0195

■ 23.0245, 17.1811,
33.9926

■ 65.2140, 54.0440,
89.5743

■ 14.7324, 10.3637,
22.6106

■ 86.2660, 73.0831,
116.6420

■ 8.7169, 5.6407,
14.1037

■ 111.4215, 96.1388,
148.6773

■ 4.6126, 2.6279,
8.0532

141.0456,
123.5952, 186.0990

■ 2.0542, 0.9407,
4.0408

175.5038,
155.8369, 229.3255

■ 0.6641, 0.0000,
1.6477

215.1615,

■ 0.0000, 0.0000,

193.2482, 278.7754

0.3245

260.3840,
236.2136, 334.8672

■ 0.0000, 0.0000,
0.0000

■ 33.9586, 26.4773,
48.6682

■ 33.9586, 26.4773,
48.6682

■ 31.6245, 22.2992,
47.9852

■ 36.7230, 31.5098,
49.4943

■ 29.6938, 18.9233,
47.4353

■ 39.9378, 37.4384,
50.4692

■ 28.1404, 16.2969,
47.0102


■ 43.6246, 44.3059,
51.6004


■ 26.9340, 14.3594,
46.6998

■ 47.8031, 52.1516,
52.8945


■ 26.0397, 13.0411,
46.4925


■ 52.4918, 61.0125,
54.3577

 25.4153, 12.2573,
46.3741

 57.7082, 70.9235,
55.9958

 25.1488, 11.9653,
46.3318

 63.4689, 81.9180,
57.8144

 65.7722, 85.9924,
58.4794

 66.1343, 86.1791,
58.4964

Harmonies

Analogous

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



29.3688, 26.4773, 62.8217



33.9586, 26.4773, 48.6682



36.2261, 26.4773, 31.8572

Triad

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



33.9586, 26.4773, 48.6682



26.2020, 26.4773, 8.9542



17.2328, 26.4773, 41.8270

Complementary

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



33.9586, 26.4773, 48.6682



28.9889, 39.9976, 23.9630

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.



16.6227, 26.4773, 25.9996



33.9586, 26.4773, 48.6682



21.3844, 26.4773, 10.0393

Square

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



33.9586, 26.4773, 48.6682



31.3754, 26.4773, 11.5592



18.0392, 26.4773, 15.2811



19.8349, 26.4773, 58.0282

Rectangle

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



33.9586, 26.4773, 48.6682



35.9233, 26.4773, 22.5526



18.0392, 26.4773, 15.2811



16.8040, 26.4773, 36.1742

Sweetspot

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



33.9595, 26.4785, 48.6688



75.3724, 73.3943, 92.3986



23.7744, 22.2067, 48.3811



16.0507, 15.4538, 19.8585



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.



33.9595, 26.4785, 48.6688



58.1454, 41.8745, 87.2226



32.5987, 26.0701, 35.3625



9.3099, 9.1261, 11.3503



17.3596, 8.2604, 31.9325



0.6326, 0.3018, 1.1267

Inverse Universe

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



30.1861, 25.1050, 22.6578



50.3277, 39.0487, 32.4433



30.1274, 40.3708, 33.6723



9.0323, 9.0233, 9.5176



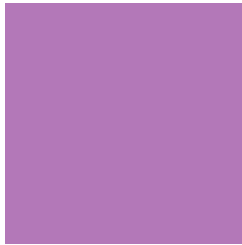
13.6907, 7.0500, 0.9919



0.4923, 0.2524, 0.0857

Previews

White Background



This preview shows how the XYZ color 33.9586, 26.4773, 48.6682 looks on a white background.

Color Contrast Check

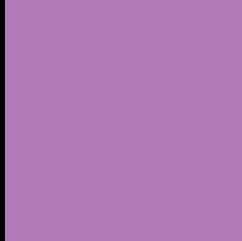
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.9586, 26.4773, 48.6682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

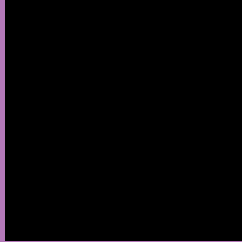
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.9586, 26.4773, 48.6682

Background



This preview shows how black text looks on a background with the XYZ color 33.9586, 26.4773, 48.6682.



This preview shows how white text looks on a background with the XYZ color 33.9586, 26.4773,

48.6682.

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

33.9586, 26.4773, 48.6682

Protanopia

27.5940, 26.7534, 57.1356

Deuteranopia

27.2605, 26.5815, 47.4100



Tritanopia

29.7440, 26.4488, 27.9636

Trichromacy



Original Color

33.9586, 26.4773, 48.6682

Protanomaly

29.2046, 26.1924, 53.9685

Deuteranomaly

29.1375, 26.0940, 47.7569

Tritanomaly

31.0564, 26.4022, 34.4696

Monochromacy



Original Color

33.9586, 26.4773, 48.6682

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

28.9668, 27.2796, 36.5397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9586, 26.4773, 48.6682 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(179, 120, 184)` looks like.

```
.text, #text, p{  
    color:rgb(179, 120, 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(179, 120, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 120, 184) }
```

Border

The CSS property to change the border of an element to XYZ 33.9586, 26.4773, 48.6682 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(179, 120, 184) }
```


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

```
.border{ border-color:rgb(179, 120, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 120, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 120, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 120, 184);  
box-shadow:4px 4px 4px 4px rgb(179, 120,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9586, 26.4773, 48.6682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 120, 184) }
```

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

```
.background{ background-color: rgb(179,  
120, 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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