

Converting Colors

XYZ(29.5798, 24.3215, 34.8358)

Have a look what the booklet for
XYZ(29.5798, 24.3215, 34.8358)
contains.

XYZ(29.6959, 24.3986, 35.0426)	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(29.6959, 24.3986,
35.0426)**

Conversions

Conversions Part 1

Format	Color
Hex	AC779D
RGB	172, 119, 157
RGB Percent	67%, 47%, 62%
CMY	0.3255, 0.5333, 0.3843
CMYK	0.00, 0.31, 0.09, 0.33
HSL	317°, 24%, 57%
HSV	317°, 31%, 67%
XYZ	29.6959, 24.3986, 35.0426
YIQ	139.1790, 19.3900, 23.0540

Conversions

Conversions Part 2

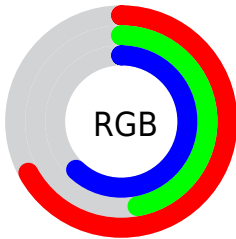
Format	Color
R_{YB}	172, 119, 157
Decimal	11302813
CIE _{Lab}	56.48, 26.84, -12.09
CIE _{LCh}	56, 29.439, 335.762
Yxy	24.3986, 0.3331, 0.2737
Android (android.graphics.Color)	4289492893 (0xFFAC779D)
YUV	139.1790, 8.7858, 28.7840
Hunter-Lab	49.3949, 20.8718, -7.4861

Details

The XYZ color **29.6959, 24.3986, 35.0426** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **26.6643, 35.1490, 27.9348**, and the grayscale version is **24.5721, 25.8518, 28.1526**.

A 20% lighter version of the original color is **58.6311, 50.7525, 68.9934**, and **12.3994, 9.3429, 14.7855** is the 20% darker color. If you saturate the color by 10%, you get **27.4239, 20.5063, 32.2755**, and if you desaturate by 10%, it is **32.3563, 29.0406, 38.0215**.

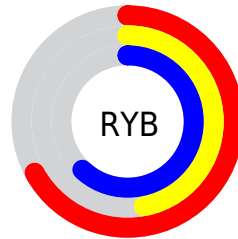
Distribution



Red (67%)

Green (47%)

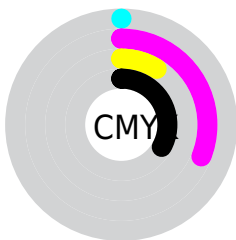
Blue (62%)



Red (67%)

Yellow (47%)

Blue (62%)

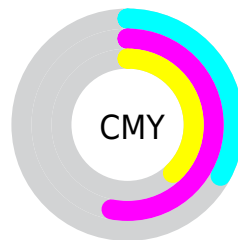


Cyan (0%)

Magenta (31%)

Yellow (9%)

Black (33%)



Cyan (33%)

Magenta (53%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6959, 24.3986, 35.0426 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 29.6959, 24.3986, 35.0426 by changing the saturation by 10% instead.

■ 29.6959, 24.3986,
35.0426

■ 29.6959, 24.3986,
35.0426

292.4197,
274.8295, 339.6663

■ 19.7548, 15.6296,
23.4119

■ 58.5709, 50.6799,
68.7041

■ 12.3242, 9.2624,
14.6898

■ 78.2354, 68.9609,
91.5719

■ 7.0386, 4.9127,
8.4578

■ 101.8719, 91.1814,
119.0225

■ 3.5328, 2.1962,
4.2973

129.8456,
117.7257, 151.4745

■ 1.4414, 0.7179,
1.7898

162.5219,
148.9783, 189.3463

■ 0.2854, 0.0000,
0.4212

200.2661,

■ 0.0000, 0.0000,

185.3236, 233.0565

0.0000

243.4436,
227.1458, 283.0237

■ 29.6959, 24.3986,
35.0426

■ 29.6959, 24.3986,
35.0426

■ 27.4239, 20.5063,
32.2755

■ 32.3563, 29.0406,
38.0215

■ 25.5181, 17.3204,
29.7109

■ 35.4217, 34.4661,
41.2177

■ 23.9570, 14.7982,
27.3411

■ 38.9103, 40.7107,
44.6386

■ 22.7161, 12.8907,
25.1568

■ 42.8384, 47.8070,
48.2904

■ 21.7676, 11.5427,
23.1479

■ 47.2215, 55.7858,
52.1792

■ 21.0784, 10.6886,
21.3023

■ 52.0744, 64.6761,
56.3108

■ 20.6086, 10.2088,
19.7279

■ 57.4112, 74.5060,
60.6908

■ 62.7312, 84.2739,
65.1530

■ 63.2943, 84.4991,
68.1184

Harmonies

Analogous

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



27.2360, 24.3986, 44.8977



29.6959, 24.3986, 35.0426



30.3429, 24.3986, 24.7254

Triad

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



29.6959, 24.3986, 35.0426



22.5382, 24.3986, 11.9227



18.2671, 24.3986, 39.1176

Complementary

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



29.6959, 24.3986, 35.0426



26.6643, 35.1490, 27.9348

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.



17.2603, 24.3986, 28.4957



29.6959, 24.3986, 35.0426



19.5662, 24.3986, 14.0582

Square

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



29.6959, 24.3986, 35.0426



25.9867, 24.3986, 12.8608



17.7115, 24.3986, 19.5799



20.6017, 24.3986, 47.6254

Rectangle

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



29.6959, 24.3986, 35.0426



29.6091, 24.3986, 19.2131



17.7115, 24.3986, 19.5799



17.7732, 24.3986, 35.5897

Sweetspot

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



29.6966, 24.3997, 35.0431



65.2506, 64.2919, 75.7703



23.7382, 21.1708, 41.8654



13.9957, 13.6428, 16.2810



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



29.6966, 24.3997, 35.0431



50.9753, 39.2833, 60.0925



27.7326, 23.6141, 24.7007



8.2389, 8.1088, 9.5690



15.3604, 7.6067, 14.8090



0.4492, 0.2204, 0.5271

Inverse Universe

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



29.6966, 24.3997, 35.0431



50.9753, 39.2833, 60.0925



28.6743, 35.9529, 38.5188



8.2389, 8.1088, 9.5690



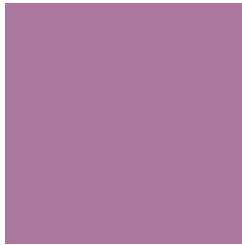
15.3604, 7.6067, 14.8090



0.4492, 0.2204, 0.5271

Previews

White Background



This preview shows how the XYZ color 29.6959, 24.3986, 35.0426 looks on a white background.

Color Contrast Check

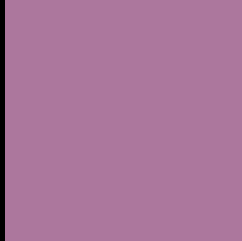
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6959, 24.3986, 35.0426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

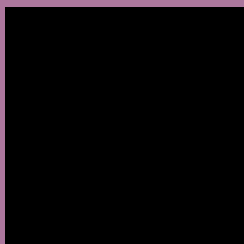
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.6959, 24.3986, 35.0426

Background



This preview shows how black text looks on a background with the XYZ color 29.6959, 24.3986, 35.0426.



This preview shows how white text looks on a background with the XYZ color 29.6959, 24.3986,

35.0426.

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

29.6959, 24.3986, 35.0426

Protanopia

24.4022, 24.4294, 39.9884

Deuteranopia

24.9829, 24.4445, 34.4119



Tritanopia

27.6788, 24.2944, 25.4208

Trichromacy



Original Color

29.6959, 24.3986, 35.0426

Protanomaly

25.9627, 24.2741, 37.9673

Deuteranomaly

26.5390, 24.2544, 34.7353

Tritanomaly

28.4196, 24.4181, 28.8065

Monochromacy



Original Color

29.6959, 24.3986, 35.0426

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

26.2021, 25.1572, 30.6689

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6959, 24.3986, 35.0426 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(172, 119, 157)` looks like.

```
.text, #text, p{  
    color:rgb(172, 119, 157)  
}
```

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(172, 119, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 119, 157) }
```

Border

The CSS property to change the border of an element to XYZ 29.6959, 24.3986, 35.0426 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(172, 119, 157) }
```


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

```
.border{ border-color:rgb(172, 119, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 119, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 119, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 119, 157);  
box-shadow:4px 4px 4px 4px rgb(172, 119,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6959, 24.3986, 35.0426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 119, 157) }
```

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

```
.background{ background-color: rgb(172,  
119, 157) }
```

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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