

Converting Colors

XYZ(29.8064, 26.0863, 40.2342)

Have a look what the booklet for
XYZ(29.8064, 26.0863, 40.2342)
contains.

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Color

**XYZ(29.7985, 26.0149,
40.0100)**

Conversions

Conversions Part 1

Format	Color
Hex	A380A7
RGB	163, 128, 167
RGB Percent	64%, 50%, 65%
CMY	0.3608, 0.4980, 0.3451
CMYK	0.02, 0.23, 0.00, 0.35
HSL	294°, 18%, 58%
HSV	294°, 23%, 65%
XYZ	29.7985, 26.0149, 40.0100
YIQ	142.9110, 8.3410, 19.5490

Conversions

Conversions Part 2

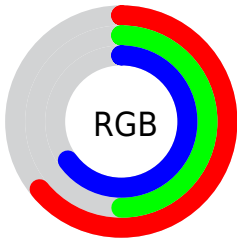
Format	Color
RYB	163, 128, 167
Decimal	10715303
CIELab	58.05, 20.48, -15.58
CIELCh	58, 25.733, 322.747
Yxy	26.0149, 0.3110, 0.2715
Android (android.graphics.Color)	4288905383 (0xFFA380A7)
YUV	142.9110, 11.8759, 17.6181
Hunter-Lab	51.0048, 15.0265, -10.8058

Details

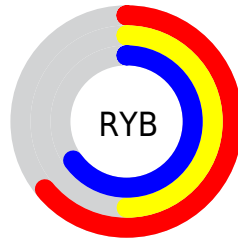
The XYZ color **29.7985, 26.0149, 40.0100** is a light color, and the websafe version is hex **996699**. A complement of this color would be **27.2316, 34.1021, 25.5705**, and the grayscale version is **26.0254, 27.3808, 29.8177**.

A 20% lighter version of the original color is **58.6221, 53.2271, 76.2914**, and **12.3744, 10.0661, 17.5104** is the 20% darker color. If you saturate the color by 10%, you get **27.4489, 21.8324, 39.3269**, and if you desaturate by 10%, it is **32.5129, 30.9191, 40.8139**.

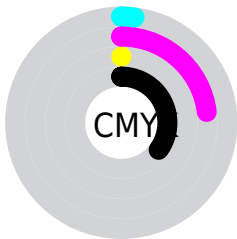
Distribution



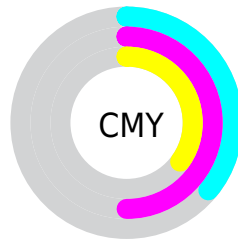
- Red (64%)
- Green (50%)
- Blue (65%)



- Red (64%)
- Yellow (50%)
- Blue (65%)



- Cyan (2%)
- Magenta (23%)
- Yellow (0%)
- Black (35%)



- Cyan (36%)
- Magenta (50%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7985, 26.0149, 40.0100 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 29.7985, 26.0149, 40.0100 by changing the saturation by 10% instead.

■ 29.7985, 26.0149,
40.0100

■ 29.7985, 26.0149,
40.0100

292.8908,
282.8552, 361.7191

■ 19.8330, 16.8348,
27.2325

■ 58.7322, 53.2990,
76.4160

■ 12.3813, 10.1168,
17.5139

■ 78.4311, 72.1717,
100.8816

■ 7.0779, 5.4764,
10.4358

■ 102.1052, 95.0442,
130.0802

■ 3.5577, 2.5294,
5.5795

130.1198,
122.3007, 164.4306

■ 1.4551, 0.8913,
2.5265

162.8403,
154.3256, 204.3511

■ 0.2950, 0.0000,
0.8541

200.6321,

■ 0.0000, 0.0000,

191.5034, 250.2603

0.0000

243.8605,
234.2185, 302.5768

■ 29.7985, 26.0149,
40.0100

■ 29.7985, 26.0149,
40.0100

■ 27.4489, 21.8324,
39.3269

■ 32.5129, 30.9191,
40.8139

■ 25.4443, 18.3332,
38.7572

■ 35.6062, 36.5744,
41.7425

■ 23.7663, 15.4804,
38.2949

■ 39.0943, 43.0123,
42.8013

■ 22.3942, 13.2322,
37.9333

■ 42.9919, 50.2620,
43.9952

■ 21.3046, 11.5422,
37.6646

■ 47.3127, 58.3509,
45.3288

■ 20.4708, 10.3569,
37.4797

■ 52.0697, 67.3051,
46.8064

■ 19.8608, 9.6123,
37.3681

■ 57.2755, 77.1497,
48.4322

■ 19.5296, 9.2621,
37.3180

■ 60.7990, 83.6223,
49.4958

■ 61.1907, 83.8243,
49.5142

Harmonies

Analogous

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



27.1115, 26.0149, 47.2387



29.7985, 26.0149, 40.0100



31.1459, 26.0149, 30.5438

Triad

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



29.7985, 26.0149, 40.0100



25.4892, 26.0149, 14.5062



19.6111, 26.0149, 35.4776

Complementary

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



29.7985, 26.0149, 40.0100



27.2316, 34.1021, 25.5705

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.



19.2557, 26.0149, 26.2179



29.7985, 26.0149, 40.0100



22.4854, 26.0149, 15.2847

Square

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



29.7985, 26.0149, 40.0100



28.5261, 26.0149, 16.7632



20.2652, 26.0149, 19.1715



21.2800, 26.0149, 44.2624

Rectangle

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



29.7985, 26.0149, 40.0100



31.0300, 26.0149, 24.7125



20.2652, 26.0149, 19.1715



19.3401, 26.0149, 32.2752

Sweetspot

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



29.7993, 26.0160, 40.0106



61.5947, 61.5163, 74.1027



24.2043, 24.0325, 39.9226



13.7133, 13.6373, 16.5616



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



29.7993, 26.0160, 40.0106



51.1188, 42.5728, 70.9984



29.3279, 25.9236, 33.1860



7.7650, 7.6270, 9.4812



14.9680, 7.0997, 28.5570



0.3851, 0.1835, 0.6958

Inverse Universe

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



27.8212, 25.3209, 25.2520



46.9864, 41.1293, 39.7773



27.6758, 34.2089, 31.1121



7.5612, 7.5543, 8.0066



12.2821, 6.3215, 1.0311



0.3082, 0.1575, 0.0742

Previews

White Background



This preview shows how the XYZ color 29.7985, 26.0149, 40.0100 looks on a white background.

Color Contrast Check

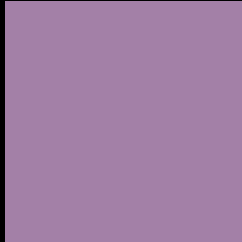
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7985, 26.0149, 40.0100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

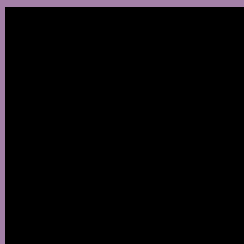
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.7985, 26.0149, 40.0100

Background



This preview shows how black text looks on a background with the XYZ color 29.7985, 26.0149, 40.0100.



This preview shows how white text looks on a background with the XYZ color 29.7985, 26.0149,

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

29.7985, 26.0149, 40.0100

Protanopia

26.0885, 26.0582, 43.6991

Deuteranopia

26.5802, 25.9877, 39.2125



Tritanopia

27.7064, 25.9593, 29.5370

Trichromacy



Original Color

29.7985, 26.0149, 40.0100

Protanomaly

27.2035, 25.8301, 42.0800

Deuteranomaly

27.6649, 25.9178, 39.6209

Tritanomaly

28.4817, 26.0767, 33.2379

Monochromacy



Original Color

29.7985, 26.0149, 40.0100

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

27.3337, 26.9280, 33.4627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7985, 26.0149, 40.0100 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(163, 128, 167)` looks like.

```
.text, #text, p{  
    color:rgb(163, 128, 167)  
}
```

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(163, 128, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 128, 167) }
```

Border

The CSS property to change the border of an element to XYZ 29.7985, 26.0149, 40.0100 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(163, 128, 167) }
```


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

```
.border{ border-color:rgb(163, 128, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 128, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 128, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 128, 167);  
box-shadow:4px 4px 4px 4px rgb(163, 128,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7985, 26.0149, 40.0100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 128, 167) }
```

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

```
.background{ background-color: rgb(163,  
128, 167) }
```

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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