

Converting Colors

XYZ(29.8242, 25.7527, 45.9130)

Have a look what the booklet for
XYZ(29.8242, 25.7527, 45.9130)
contains.

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Color

**XYZ(29.8266, 25.7025,
46.0369)**

Conversions

Conversions Part 1

Format	Color
Hex	9E7FB3
RGB	158, 127, 179
RGB Percent	62%, 50%, 70%
CMY	0.3804, 0.5019, 0.2980
CMYK	0.12, 0.29, 0.00, 0.30
HSL	276°, 25%, 60%
HSV	276°, 29%, 70%
XYZ	29.8266, 25.7025, 46.0369
YIQ	142.1970, 1.7840, 22.7440

Conversions

Conversions Part 2

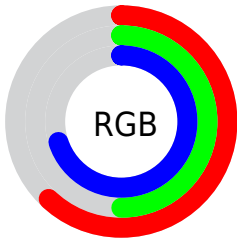
Format	Color
RYB	158, 127, 179
Decimal	10387379
CIELab	57.75, 21.87, -22.95
CIELCh	58, 31.703, 313.623
Yxy	25.7025, 0.2937, 0.2531
Android (android.graphics.Color)	4288577459 (0xFF9E7FB3)
YUV	142.1970, 18.1439, 13.8592
Hunter-Lab	50.6976, 16.2949, -18.3510

Details

The XYZ color **29.8266, 25.7025, 46.0369** is a light color, and the websafe version is hex **996699**. A complement of this color would be **32.1645, 40.0691, 26.1187**, and the grayscale version is **25.7197, 27.0592, 29.4674**.

A 20% lighter version of the original color is **58.7572, 52.7868, 85.6893**, and **12.4341, 10.0193, 21.0172** is the 20% darker color. If you saturate the color by 10%, you get **26.3368, 20.7716, 45.2695**, and if you desaturate by 10%, it is **33.8125, 31.5001, 46.9463**.

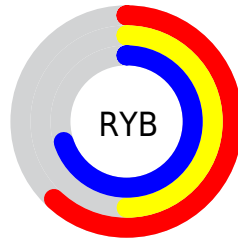
Distribution



Red (62%)

Green (50%)

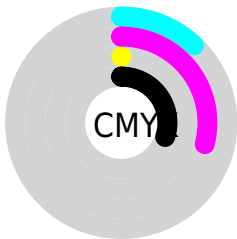
Blue (70%)



Red (62%)

Yellow (50%)

Blue (70%)

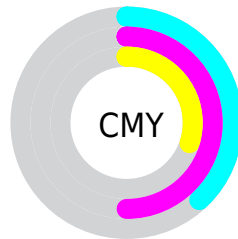


Cyan (12%)

Magenta (29%)

Yellow (0%)

Black (30%)



Cyan (38%)

Magenta (50%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8266, 25.7025, 46.0369 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 29.8266, 25.7025, 46.0369 by changing the saturation by 10% instead.

■ 29.8266, 25.7025,
46.0369

■ 29.8266, 25.7025,
46.0369

293.0197,
281.3186, 387.2389

■ 19.8544, 16.6012,
31.9261

■ 58.7764, 52.7946,
85.6091

■ 12.3969, 9.9506,
21.0407

■ 78.4847, 71.5542,
111.9075

■ 7.0887, 5.3662,
12.9622

■ 102.1690, 94.3021,
143.1056

■ 3.5645, 2.4637,
7.2721

130.1949,
121.4226, 179.6218

■ 1.4588, 0.8584,
3.5518

162.9275,
153.3000, 221.8746

■ 0.2976, 0.0000,
1.3829

200.7323,

■ 0.0000, 0.0000,

190.3190, 270.2828

0.1283

243.9746,
232.8637, 325.2647

■ 0.0000, 0.0000,
0.0000

■ 29.8266, 25.7025,
46.0369

■ 29.8266, 25.7025,
46.0369

■ 26.3368, 20.7716,
45.2695

■ 33.8125, 31.5001,
46.9463

■ 23.3173, 16.6599,
44.6350

■ 38.3134, 38.2021,
48.0027

■ 20.7438, 13.3204,
44.1260

■ 43.3504, 45.8480,
49.2130

■ 18.5885, 10.6994,
43.7337

■ 48.9424, 54.4738,
50.5832

■ 16.8199, 8.7365,
43.4481

■ 55.1076, 64.1137,
52.1190

■ 15.4013, 7.3608,
43.2573

■ 61.8631, 74.8002,
53.8256

■ 14.2667, 6.4422,
43.1398

■ 69.2254, 86.5642,
55.7083

■ 14.1655, 6.3626,
43.1298

■ 72.1664, 89.3483,
56.0906

■ 74.3474, 90.4726,
56.1927

Harmonies

Analogous

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



26.1916, 25.7025, 53.6552



29.8266, 25.7025, 46.0369



32.1338, 25.7025, 34.3120

Triad

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



29.8266, 25.7025, 46.0369



26.5487, 25.7025, 12.3241



17.9926, 25.7025, 33.2107

Complementary

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



29.8266, 25.7025, 46.0369



32.1645, 40.0691, 26.1187

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.



18.0669, 25.7025, 22.4890



29.8266, 25.7025, 46.0369



22.7482, 25.7025, 12.1740

Square

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



29.8266, 25.7025, 46.0369



30.1113, 25.7025, 15.8864



19.7261, 25.7025, 15.4036



19.5115, 25.7025, 45.0526

Rectangle

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



29.8266, 25.7025, 46.0369



32.4735, 25.7025, 26.6838



19.7261, 25.7025, 15.4036



17.8373, 25.7025, 29.3292

Sweetspot

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



29.8274, 25.7036, 46.0375



68.5295, 68.2858, 85.9498



27.5848, 29.1573, 46.8223



14.9124, 14.7228, 18.9781



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



29.8274, 25.7036, 46.0375



49.2319, 40.0847, 81.5235



33.8857, 27.8455, 43.9753



8.5114, 8.4722, 10.6930



10.0850, 4.5348, 30.4808



0.3812, 0.1756, 0.9620

Inverse Universe

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



31.5259, 26.9016, 31.5490



52.9478, 42.6888, 50.5947



28.9927, 38.4006, 27.4765



8.6338, 8.5603, 9.5703



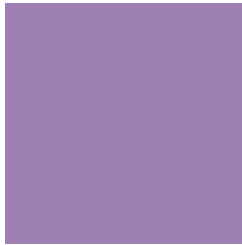
14.0006, 7.1178, 5.1631



0.4698, 0.2357, 0.3164

Previews

White Background



This preview shows how the XYZ color 29.8266, 25.7025, 46.0369 looks on a white background.

Color Contrast Check

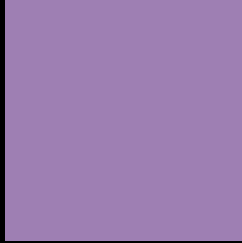
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8266, 25.7025, 46.0369 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 29.8266, 25.7025, 46.0369

Background



This preview shows how black text looks on a background with the XYZ color 29.8266, 25.7025, 46.0369.



This preview shows how white text looks on a background with the XYZ color 29.8266, 25.7025,

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

29.8266, 25.7025, 46.0369

Protanopia

26.3727, 25.8392, 50.6112

Deuteranopia

26.2557, 25.6882, 45.1695



Tritanopia

26.6960, 25.8361, 29.9654

Trichromacy



Original Color

29.8266, 25.7025, 46.0369

Protanomaly

27.3558, 25.5541, 48.8380

Deuteranomaly

27.4079, 25.6521, 45.6263

Tritanomaly

27.7197, 25.6355, 35.3854

Monochromacy



Original Color

29.8266, 25.7025, 46.0369

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

27.0748, 26.5538, 34.7087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8266, 25.7025, 46.0369 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(158, 127, 179)` looks like.

```
.text, #text, p{  
    color:rgb(158, 127, 179)  
}
```

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(158, 127, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 127, 179) }
```

Border

The CSS property to change the border of an element to XYZ 29.8266, 25.7025, 46.0369 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(158, 127, 179) }
```


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

```
.border{ border-color:rgb(158, 127, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 127, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 127, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 127, 179);  
box-shadow:4px 4px 4px 4px rgb(158, 127,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8266, 25.7025, 46.0369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 127, 179) }
```

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

```
.background{ background-color: rgb(158,  
127, 179) }
```

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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