

Converting Colors

XYZ(29.6745, 25.7473, 37.0068)

Have a look what the booklet for
XYZ(29.6745, 25.7473, 37.0068)
contains.

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Color

**XYZ(29.7483, 25.8589,
37.1416)**

Conversions

Conversions Part 1

Format	Color
Hex	A67FA1
RGB	166, 127, 161
RGB Percent	65%, 50%, 63%
CMY	0.3490, 0.5019, 0.3686
CMYK	0.00, 0.23, 0.03, 0.35
HSL	308°, 18%, 57%
HSV	308°, 23%, 65%
XYZ	29.7483, 25.8589, 37.1416
YIQ	142.5370, 12.3300, 18.8420

Conversions

Conversions Part 2

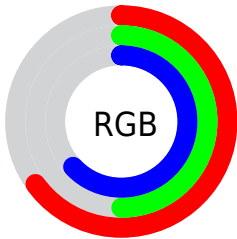
Format	Color
R_{YB}	166, 127, 161
Decimal	10911649
CIE _{Lab}	57.90, 20.93, -12.32
CIE _{LCh}	58, 24.290, 329.510
Yxy	25.8589, 0.3207, 0.2788
Android (android.graphics.Color)	4289101729 (0xFFA67FA1)
YUV	142.5370, 9.1023, 20.5771
Hunter-Lab	50.8516, 15.4324, -7.7087

Details

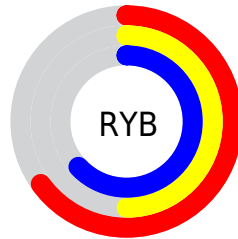
The XYZ color **29.7483, 25.8589, 37.1416** is a light color, and the websafe version is hex **996699**. A complement of this color would be **26.5545, 33.4512, 26.8884**, and the grayscale version is **25.8862, 27.2343, 29.6582**.

A 20% lighter version of the original color is **58.5347, 52.9725, 72.1054**, and **12.3536, 9.9893, 15.7450** is the 20% darker color. If you saturate the color by 10%, you get **27.5926, 21.8450, 35.5051**, and if you desaturate by 10%, it is **32.2619, 30.5828, 38.9138**.

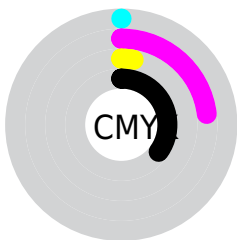
Distribution



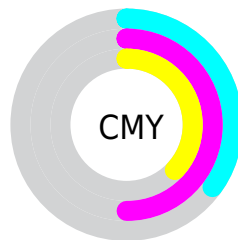
- Red (65%)
- Green (50%)
- Blue (63%)



- Red (65%)
- Yellow (50%)
- Blue (63%)



- Cyan (0%)
- Magenta (23%)
- Yellow (3%)
- Black (35%)



- Cyan (35%)
- Magenta (50%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7483, 25.8589, 37.1416 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 29.7483, 25.8589, 37.1416 by changing the saturation by 10% instead.

■ 29.7483, 25.8589,
37.1416

■ 29.7483, 25.8589,
37.1416

292.6604,
282.0887, 349.1103

■ 19.7947, 16.7181,
25.0205

■ 58.6533, 53.0472,
71.9793

■ 12.3533, 10.0337,
15.8732

■ 78.3354, 71.8636,
95.5329

■ 7.0587, 5.4213,
9.2811

■ 101.9911, 94.6739,
123.7345

■ 3.5455, 2.4965,
4.8257

129.9857,
121.8625, 157.0026

■ 1.4484, 0.8749,
2.0884

162.6845,
153.8140, 195.7556

■ 0.2903, 0.0000,
0.6088

200.4531,

■ 0.0000, 0.0000,

190.9125, 240.4122

0.0000

243.6565,
233.5427, 291.3910

■ 29.7483, 25.8589,
37.1416

■ 29.7483, 25.8589,
37.1416

■ 27.5926, 21.8450,
35.5051

■ 32.2619, 30.5828,
38.9138

■ 25.7753, 18.5032,
33.9967

■ 35.1474, 36.0455,
40.8255

■ 24.2784, 15.7970,
32.6107

■ 38.4204, 42.2784,
42.8824

■ 23.0812, 13.6854,
31.3403

■ 42.0955, 49.3099,
45.0892

■ 22.1609, 12.1223,
30.1775

■ 46.1860, 57.1673,
47.4506

■ 21.4909, 11.0550,
29.1136

■ 50.7049, 65.8762,
49.9709

■ 21.0398, 10.4204,
28.1379

■ 55.6646, 75.4614,
52.6544

■ 20.8151, 10.1427,
27.5341

■ 59.5249, 82.8426,
54.9877

■ 59.7404, 82.9288,
56.1224

Harmonies

Analogous

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



27.4529, 25.8589, 44.6223



29.7483, 25.8589, 37.1416



30.6398, 25.8589, 28.2939

Triad

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



29.7483, 25.8589, 37.1416



24.6262, 25.8589, 14.9288



20.0027, 25.8589, 36.8554

Complementary

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



29.7483, 25.8589, 37.1416



26.5545, 33.4512, 26.8884

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.



19.3738, 25.8589, 28.0185



29.7483, 25.8589, 37.1416



21.9114, 25.8589, 16.3391

Square

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



29.7483, 25.8589, 37.1416



27.5426, 25.8589, 16.4351



20.0446, 25.8589, 20.7507



21.8343, 25.8589, 44.4354

Rectangle

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



29.7483, 25.8589, 37.1416



30.2677, 25.8589, 23.1134



20.0446, 25.8589, 20.7507



19.6503, 25.8589, 33.8832

Sweetspot

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



29.7491, 25.8600, 37.1422



61.8032, 61.6527, 72.8012



23.9189, 22.8025, 39.2177



13.7636, 13.6702, 16.2476



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.



29.7491, 25.8600, 37.1422



51.9442, 43.1124, 65.8847



28.1949, 25.2384, 28.9580



7.7999, 7.6498, 9.2635



16.1528, 7.8699, 21.4142



0.4041, 0.1959, 0.5796

Inverse Universe

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



29.7491, 25.8600, 37.1422



51.9442, 43.1124, 65.8847



27.9795, 34.0213, 34.3924



7.7999, 7.6498, 9.2635



16.1528, 7.8699, 21.4142



0.4041, 0.1959, 0.5796

Previews

White Background



This preview shows how the XYZ color 29.7483, 25.8589, 37.1416 looks on a white background.

Color Contrast Check

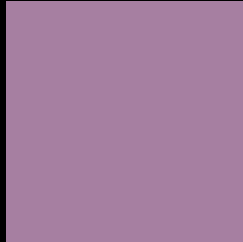
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7483, 25.8589, 37.1416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

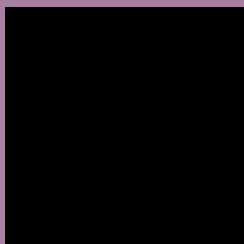
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.7483, 25.8589, 37.1416

Background



This preview shows how black text looks on a background with the XYZ color 29.7483, 25.8589, 37.1416.



This preview shows how white text looks on a background with the XYZ color 29.7483, 25.8589,

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

29.7483, 25.8589, 37.1416

Protanopia

25.8292, 25.9907, 40.7011

Deuteranopia

26.3899, 25.9512, 36.4191



Tritanopia

28.0283, 25.9422, 28.7294

Trichromacy



Original Color

29.7483, 25.8589, 37.1416

Protanomaly

26.9937, 25.7865, 39.1519

Deuteranomaly

27.4952, 25.8924, 36.8063

Tritanomaly

28.6378, 25.9959, 31.5253

Monochromacy



Original Color

29.7483, 25.8589, 37.1416

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

27.2132, 26.6726, 32.5682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7483, 25.8589, 37.1416 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(166, 127, 161)` looks like.

```
.text, #text, p{  
    color:rgb(166, 127, 161)  
}
```

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(166, 127, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 127, 161) }
```

Border

The CSS property to change the border of an element to XYZ 29.7483, 25.8589, 37.1416 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(166, 127, 161) }
```


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

```
.border{ border-color:rgb(166, 127, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 127, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 127, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 127, 161);  
box-shadow:4px 4px 4px 4px rgb(166, 127,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7483, 25.8589, 37.1416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 127, 161) }
```

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

```
.background{ background-color: rgb(166,  
127, 161) }
```

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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