

Converting Colors

XYZ(39.7419, 29.8153, 82.1932)

Have a look what the booklet for
XYZ(39.7419, 29.8153, 82.1932)
contains.

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Color

**XYZ(39.6898, 29.8041,
82.2581)**

Conversions

Conversions Part 1

Format	Color
Hex	AD7EEB
RGB	173, 126, 235
RGB Percent	68%, 49%, 92%
CMY	0.3216, 0.5059, 0.0784
CMYK	0.26, 0.46, 0.00, 0.08
HSL	266°, 73%, 71%
HSV	266°, 46%, 92%
XYZ	39.6898, 29.8041, 82.2581
YIQ	152.4790, -6.9770, 43.8630

Conversions

Conversions Part 2

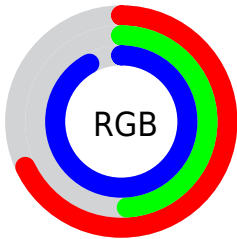
Format	Color
R _Y B	173, 126, 235
Decimal	11370219
CIE Lab	61.48, 39.74, -48.56
CIE LCh	61, 62.745, 309.295
Yxy	29.8041, 0.2615, 0.1964
Android (android.graphics.Color)	4289560299 (0xFFAD7EEB)
YUV	152.4790, 40.6829, 17.9969
Hunter-Lab	54.5931, 34.2335, -51.1199

Details

The XYZ color **39.6898, 29.8041, 82.2581** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **54.2139, 71.6149, 30.7054**, and the grayscale version is **29.8847, 31.4410, 34.2392**.

A 20% lighter version of the original color is **67.0044, 56.6855, 102.0176**, and **18.1923, 12.2751, 44.0583** is the 20% darker color. If you saturate the color by 10%, you get **34.2210, 23.0362, 81.2405**, and if you desaturate by 10%, it is **46.1623, 38.1381, 83.5261**.

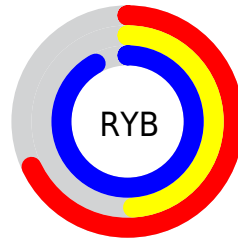
Distribution



Red (68%)

Green (49%)

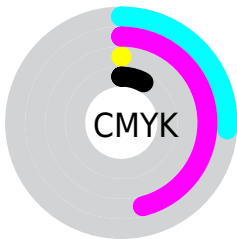
Blue (92%)



Red (68%)

Yellow (49%)

Blue (92%)

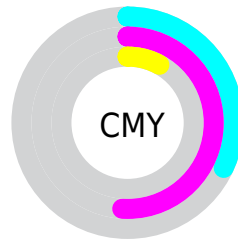


Cyan (26%)

Magenta (46%)

Yellow (0%)

Black (8%)



Cyan (32%)


Magenta (51%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.6898, 29.8041, 82.2581 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 39.6898, 29.8041, 82.2581 by changing the saturation by 10% instead.


 39.6898, 29.8041,
82.2581


 39.6898, 29.8041,
82.2581


335.9713,
300.9903, 522.4167

 27.4799, 19.6899,
61.0413


 73.9783, 59.3522,
138.3758

 18.0724, 12.1699,
43.8277


 96.7875, 79.5550,
174.1138

 11.1020, 6.8595,
30.1989


 123.8607,
103.8894, 215.5291

 6.2033, 3.3744,
19.7363

155.5630,
132.7399, 263.0405

 3.0109, 1.3302,
12.0213

192.2598,
166.4908, 317.0664

 1.1595, 0.1644,
6.6355

234.3166,

 0.0741, 0.0000,

205.5266, 378.0254

3.1602

282.0986,
250.2316, 446.3360

■ 0.0000, 0.0000,
1.1770

■ 0.0000, 0.0000,
0.0000

■ 39.6898, 29.8041,
82.2581

■ 39.6898, 29.8041,
82.2581

■ 34.2210, 23.0362,
81.2405

■ 46.1623, 38.1381,
83.5261

■ 29.6936, 17.7263,
80.4542

■ 53.6888, 48.1297,
85.0580

■ 26.0431, 13.7572,
79.8805

■ 62.3197, 59.8671,
86.8686

■ 23.1935, 10.9913,
79.4968

■ 72.1013, 73.4312,
88.9712

■ 21.0517, 9.2573,
79.2750

■ 83.0768, 88.8979,
91.3781

■ 20.3996, 8.7841,
79.2181

■ 91.3378, 98.4391,
92.7844

■ 91.9955, 98.7782,
92.8152

Harmonies

Analogous

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



30.9856, 29.8041, 101.7222



39.6898, 29.8041, 82.2581



46.0406, 29.8041, 51.4512

Triad

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



39.6898, 29.8041, 82.2581



34.3560, 29.8041, 5.7194



15.3125, 29.8041, 40.4110

Complementary

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



39.6898, 29.8041, 82.2581



54.2139, 71.6149, 30.7054

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.



15.8642, 29.8041, 18.8211



39.6898, 29.8041, 82.2581



25.8267, 29.8041, 5.0112

Square

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



39.6898, 29.8041, 82.2581



42.5672, 29.8041, 11.2532



19.3720, 29.8041, 8.3691



17.6814, 29.8041, 70.8766

Rectangle

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



39.6898, 29.8041, 82.2581



47.4791, 29.8041, 33.0178



19.3720, 29.8041, 8.3691



15.1746, 29.8041, 31.8919

Sweetspot

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



39.6909, 29.8053, 82.2588



77.6198, 75.6498, 105.1186



41.9238, 47.0814, 85.4757



16.0922, 15.4739, 22.3886



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



39.6909, 29.8053, 82.2588



41.2718, 27.8254, 97.8033



53.7949, 37.0761, 82.9188



14.8472, 14.8665, 19.0092



11.4931, 4.9609, 44.0947



1.0108, 0.4454, 3.4676

Inverse Universe

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



50.7996, 36.2157, 51.8904



56.7294, 36.7618, 54.8066



43.4802, 66.0815, 30.2031



15.4245, 15.1976, 17.5205



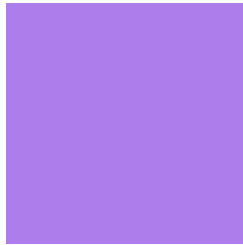
21.5150, 10.8087, 13.7794



1.7375, 0.8680, 1.3352

Previews

White Background



This preview shows how the XYZ color 39.6898, 29.8041, 82.2581 looks on a white background.

Color Contrast Check

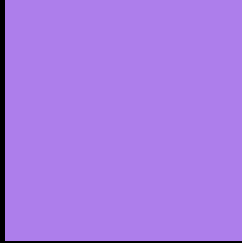
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.6898, 29.8041, 82.2581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

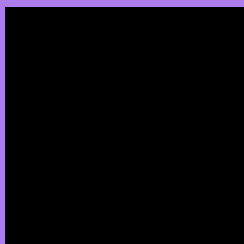
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.6898, 29.8041, 82.2581

Background



This preview shows how black text looks on a background with the XYZ color 39.6898, 29.8041, 82.2581.

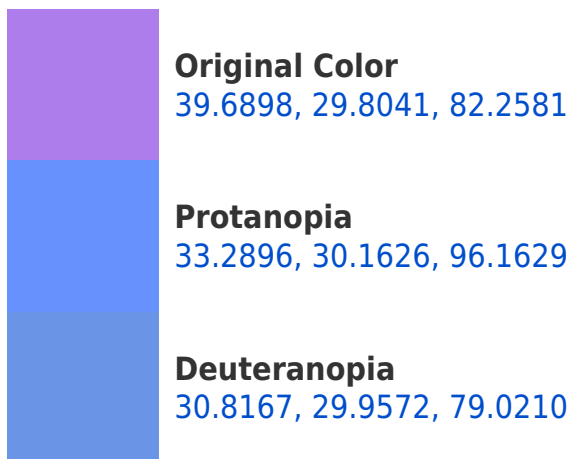


This preview shows how white text looks on a background with the XYZ color 39.6898, 29.8041,

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





Tritanopia

30.2721, 29.7177, 35.5931

Trichromacy



Original Color

39.6898, 29.8041, 82.2581



Protanomaly

34.6251, 29.4200, 91.0425



Deuteranomaly

33.1495, 29.3282, 80.2577



Tritanomaly

33.0125, 29.2866, 49.8119

Monochromacy



Original Color

39.6898, 29.8041, 82.2581



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

32.7632, 30.4959, 48.4155

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6898, 29.8041, 82.2581 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(173, 126, 235)` looks like.

```
.text, #text, p{  
    color:rgb(173, 126, 235)  
}
```

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(173, 126, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 126, 235) }
```

Border

The CSS property to change the border of an element to XYZ 39.6898, 29.8041, 82.2581 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(173, 126, 235) }
```


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

```
.border{ border-color:rgb(173, 126, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 126, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 126, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 126, 235);  
box-shadow:4px 4px 4px 4px rgb(173, 126,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6898, 29.8041, 82.2581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 126, 235) }
```

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

```
.background{ background-color: rgb(173,  
126, 235) }
```

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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