

Converting Colors

XYZ(37.9768, 27.6409, 89.5605)

Have a look what the booklet for
XYZ(37.9768, 27.6409, 89.5605)
contains.

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Color

**XYZ(38.0982, 27.7069,
89.7262)**

Conversions

Conversions Part 1

Format	Color
Hex	A278F5
RGB	162, 120, 245
RGB Percent	64%, 47%, 96%
CMY	0.3647, 0.5294, 0.0392
CMYK	0.34, 0.51, 0.00, 0.04
HSL	260°, 86%, 72%
HSV	260°, 51%, 96%
XYZ	38.0982, 27.7069, 89.7262
YIQ	146.8080, -15.0930, 47.7790

Conversions

Conversions Part 2

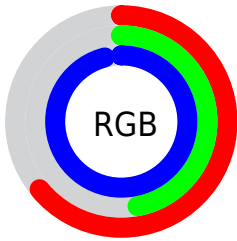
Format	Color
R _{YB}	162, 120, 245
Decimal	10647797
CIE Lab	59.62, 42.70, -57.12
CIE LCh	60, 71.317, 306.778
Yxy	27.7069, 0.2450, 0.1781
Android (android.graphics.Color)	4288837877 (0xFFA278F5)
YUV	146.8080, 48.4087, 13.3234
Hunter-Lab	52.6373, 37.0805, -64.2202

Details

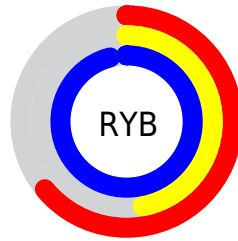
The XYZ color **38.0982, 27.7069, 89.7262** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **60.6714, 79.3578, 29.8899**, and the grayscale version is **27.4660, 28.8963, 31.4681**.

A 20% lighter version of the original color is **62.5088, 52.3228, 101.4125**, and **17.0930, 11.0144, 48.8020** is the 20% darker color. If you saturate the color by 10%, you get **32.4263, 20.9547, 88.7224**, and if you desaturate by 10%, it is **44.9535, 36.1888, 91.0026**.

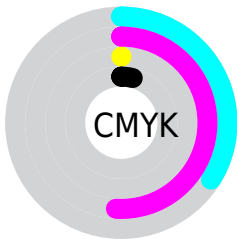
Distribution



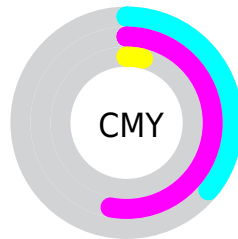
- Red (64%)
- Green (47%)
- Blue (96%)



- Red (64%)
- Yellow (47%)
- Blue (96%)



- Cyan (34%)
- Magenta (51%)
- Yellow (0%)
- Black (4%)





- Cyan (36%)
- Magenta (53%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0982, 27.7069, 89.7262 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 38.0982, 27.7069, 89.7262 by changing the saturation by 10% instead.


 38.0982, 27.7069,
89.7262


 38.0982, 27.7069,
89.7262


329.3146,
291.0637, 547.6869

 26.2365, 18.1048,
67.1811

 71.5616, 56.0162,
148.8902

 17.1342, 11.0253,
48.7693


 93.8939, 75.4921,
186.3462

 10.4261, 6.0838,
34.0722


 120.4472, 99.0282,
229.6097

 5.7468, 2.8961,
22.6713

151.5867,
127.0087, 279.0991

 2.7309, 1.0777,
14.1480

187.6778,
159.8182, 335.2329

 1.0131, 0.0000,
8.0837

229.0860,

 0.0000, 0.0000,

197.8409, 398.4298

4.0600

276.1764,
241.4613, 469.1083

■ 0.0000, 0.0000,
1.6583

■ 0.0000, 0.0000,
0.3319

■ 38.0982, 27.7069,
89.7262

■ 38.0982, 27.7069,
89.7262

■ 32.4263, 20.9547,
88.7224

■ 44.9535, 36.1888,
91.0026

■ 27.8595, 15.8033,
87.9687

■ 53.0567, 46.5103,
92.5678

■ 24.3142, 12.1101,
87.4427

■ 62.4714, 58.7755,
94.4390

■ 21.6911, 9.7042,
87.1166

■ 73.2557, 73.0798,
96.6316

■ 19.9894, 8.4010,
86.9548

■ 85.4639, 89.5122,
99.1599

■ 93.4815, 99.3726,
100.6406

Harmonies

Analogous

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



28.4277, 27.7069, 110.8592



38.0982, 27.7069, 89.7262



45.6272, 27.7069, 54.1995

Triad

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



38.0982, 27.7069, 89.7262



33.7549, 27.7069, 3.7112



12.6293, 27.7069, 36.3957

Complementary

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



38.0982, 27.7069, 89.7262



60.6714, 79.3578, 29.8899

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.



13.4296, 27.7069, 14.5561



38.0982, 27.7069, 89.7262



24.3468, 27.7069, 2.8765

Square

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



38.0982, 27.7069, 89.7262



42.7472, 27.7069, 9.1763



17.2822, 27.7069, 5.3520



14.7743, 27.7069, 70.5718

Rectangle

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



38.0982, 27.7069, 89.7262



47.6367, 27.7069, 33.0371



17.2822, 27.7069, 5.3520



12.5721, 27.7069, 27.4702

Sweetspot

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



38.0993, 27.7079, 89.7269



75.3042, 73.4742, 104.8207



45.6626, 53.4559, 94.2981



15.5847, 15.0190, 22.3275



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.



38.0993, 27.7079, 89.7269



35.4506, 22.8773, 97.1551



53.9908, 35.9002, 90.4706



16.1059, 16.1972, 20.8201



10.9001, 4.5935, 46.8502



1.0629, 0.4578, 4.1226

Inverse Universe

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



55.1526, 37.1579, 60.7649



56.4923, 34.5683, 60.0280



46.9995, 72.3097, 29.2501



16.9631, 16.6681, 19.5524



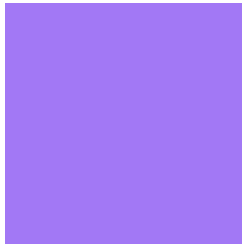
23.8991, 11.9031, 19.9746



2.1482, 1.0653, 2.0069

Previews

White Background



This preview shows how the XYZ color 38.0982, 27.7069, 89.7262 looks on a white background.

Color Contrast Check

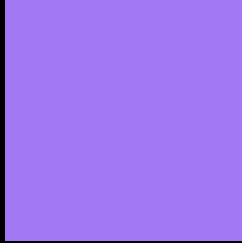
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.0982, 27.7069, 89.7262 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 38.0982, 27.7069, 89.7262

Background



This preview shows how black text looks on a background with the XYZ color 38.0982, 27.7069, 89.7262.



This preview shows how white text looks on a background with the XYZ color 38.0982, 27.7069,

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

38.0982, 27.7069, 89.7262

Protanopia

31.5479, 28.1000, 98.3688

Deuteranopia

29.0780, 28.2043, 86.3495



Tritanopia

26.8334, 27.5187, 34.4692

Trichromacy



Original Color

38.0982, 27.7069, 89.7262



Protanomaly

33.0026, 27.4531, 94.8263



Deuteranomaly

31.1378, 27.2703, 87.6270



Tritanomaly

30.0724, 27.1221, 50.6638

Monochromacy



Original Color

38.0982, 27.7069, 89.7262



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

30.4418, 27.9856, 48.5971

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0982, 27.7069, 89.7262 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(162, 120, 245)` looks like.

```
.text, #text, p{  
    color:rgb(162, 120, 245)  
}
```

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(162, 120, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 120, 245) }
```

Border

The CSS property to change the border of an element to XYZ 38.0982, 27.7069, 89.7262 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(162, 120, 245) }
```


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

```
.border{ border-color:rgb(162, 120, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 120, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(162, 120, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(162, 120, 245); box-shadow:4px 4px 4px 4px rgb(162, 120, 245) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0982, 27.7069, 89.7262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 120, 245) }
```

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

```
.background{ background-color: rgb(162,  
120, 245) }
```

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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