

Converting Colors

XYZ(27.4276, 13.0327, 72.9229)

Have a look what the booklet for
XYZ(27.4276, 13.0327, 72.9229)
contains.

XYZ(27.3805, 13.0143, 73.0204)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.3805, 13.0143,
73.0204)**

Conversions

Conversions Part 1

Format	Color
Hex	9A18E2
RGB	154, 24, 226
RGB Percent	60%, 9%, 89%
CMY	0.3961, 0.9059, 0.1137
CMYK	0.32, 0.89, 0.00, 0.11
HSL	279°, 81%, 49%
HSV	279°, 89%, 89%
XYZ	27.3805, 13.0143, 73.0204
YIQ	85.8980, 12.6380, 90.3820

Conversions

Conversions Part 2

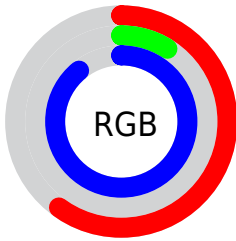
Format	Color
RYB	154, 24, 226
Decimal	10098914
CIELab	42.78, 76.84, -73.71
CIElCh	43, 106.476, 316.191
Yxy	13.0143, 0.2414, 0.1147
Android (android.graphics.Color)	4288288994 (0xFF9A18E2)
YUV	85.8980, 69.0703, 59.7255
Hunter-Lab	36.0753, 72.3463, -94.7567

Details

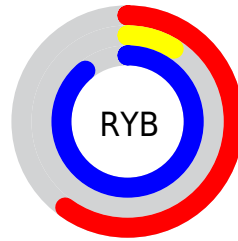
The XYZ color **27.3805, 13.0143, 73.0204** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **32.1853, 56.9457, 10.1596**, and the grayscale version is **8.6812, 9.1333, 9.9462**.

A 20% lighter version of the original color is **49.6087, 29.1704, 97.6235**, and **11.7775, 5.2443, 37.9276** is the 20% darker color. If you saturate the color by 10%, you get **25.5875, 11.6277, 72.8475**, and if you desaturate by 10%, it is **29.6404, 15.1800, 73.3196**.

Distribution



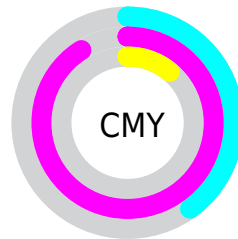
- Red (60%)
- Green (9%)
- Blue (89%)



- Red (60%)
- Yellow (9%)
- Blue (89%)



- Cyan (32%)
- Magenta (89%)
- Yellow (0%)
- Black (11%)





- Cyan (40%)
- Magenta (91%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3805, 13.0143, 73.0204 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 27.3805, 13.0143, 73.0204 by changing the saturation by 10% instead.

 27.3805, 13.0143,
73.0204

 27.3805, 13.0143,
73.0204


281.6288,
211.0093, 490.1582

 17.9973, 7.4384,
53.5007

 54.9094, 31.3295,
125.2274


 11.0477, 3.7377,
37.8122


 73.7858, 44.8375,
158.7517


 6.1665, 1.5280,
25.5363


 96.5573, 61.7584,
197.7814

 2.9882, 0.3083,
16.2544

 123.5893, 82.4766,
242.7349

 1.1475, 0.0000,
9.5480

 155.2471,
107.3763, 294.0308

 0.0643, 0.0000,
4.9987

 191.8960,

 0.0000, 0.0000,

136.8421, 352.0876

2.1878

233.9015,
171.2583, 417.3239

■ 0.0000, 0.0000,
0.6673

■ 0.0000, 0.0000,
0.0000

■ 27.3805, 13.0143,
73.0204

■ 27.3805, 13.0143,
73.0204

■ 25.5875, 11.6277,
72.8475

■ 29.6404, 15.1800,
73.3196

■ 25.4836, 11.5515,
72.8383

■ 32.4703, 18.3310,
73.7786

■ 35.9365, 22.5963,
74.4192

■ 40.0947, 28.0841,
75.2593

■ 44.9936, 34.8897,
76.3147

■ 50.6775, 43.0987,
77.5997

■ 57.1867, 52.7894,
79.1271

■ 64.5587, 64.0340,
80.9090

■ 72.8284, 76.9001,
82.9565

Harmonies

Analogous

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



17.2472, 13.0143, 114.8788



27.3805, 13.0143, 73.0204



34.5329, 13.0143, 27.7265

Triad

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



27.3805, 13.0143, 73.0204



16.4776, 13.0143, 0.0000



2.6247, 13.0143, 30.6271

Complementary

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



27.3805, 13.0143, 73.0204



32.1853, 56.9457, 10.1596

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.



2.5655, 13.0143, 5.9601



27.3805, 13.0143, 73.0204



8.5111, 13.0143, 0.0000

Square

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



27.3805, 13.0143, 73.0204



26.6094, 13.0143, 0.0000



4.1840, 13.0143, 0.0041



4.4105, 13.0143, 77.0066

Rectangle

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



27.3805, 13.0143, 73.0204



35.2511, 13.0143, 9.8793



4.1840, 13.0143, 0.0041



2.4415, 13.0143, 19.5527

Sweetspot

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



27.3812, 13.0147, 73.0207



68.4215, 59.3002, 102.4476



18.4784, 14.4335, 73.7638



14.0520, 11.8212, 21.7910



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.



27.3812, 13.0147, 73.0207



33.3827, 15.1243, 95.7676



42.0075, 20.9489, 55.9034



13.7963, 13.6785, 17.3008



14.6720, 6.6590, 41.5604



1.1134, 0.5113, 2.8852

Inverse Universe

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



33.8022, 17.6668, 12.6950



43.1235, 22.0134, 11.8486



28.1694, 54.8256, 12.2223



13.9080, 13.7808, 15.2859



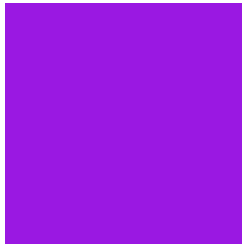
18.7824, 9.5800, 5.5199



1.3436, 0.6807, 0.6020

Previews

White Background



This preview shows how the XYZ color 27.3805, 13.0143, 73.0204 looks on a white background.

Color Contrast Check

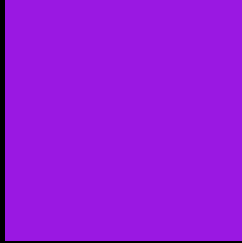
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 27.3805, 13.0143, 73.0204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

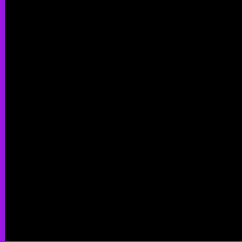
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.3805, 13.0143, 73.0204

Background



This preview shows how black text looks on a background with the XYZ color 27.3805, 13.0143, 73.0204.



This preview shows how white text looks on a background with the XYZ color 27.3805, 13.0143,

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

27.3805, 13.0143, 73.0204

Protanopia

15.6302, 13.2404, 60.7633

Deuteranopia

13.0870, 13.1553, 44.4973



Tritanopia

15.1739, 13.0007, 13.0189

Trichromacy



Original Color

27.3805, 13.0143, 73.0204



Protanomaly

16.0217, 10.2023, 64.7431



Deuteranomaly

14.1108, 9.8584, 53.3837



Tritanomaly

17.6297, 11.3990, 27.6566

Monochromacy



Original Color

27.3805, 13.0143, 73.0204



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

12.8484, 8.7407, 24.6768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3805, 13.0143, 73.0204 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(154, 24, 226)` looks like.

```
.text, #text, p{  
    color:rgb(154, 24, 226)  
}
```

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(154, 24, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 24, 226) }
```

Border

The CSS property to change the border of an element to XYZ 27.3805, 13.0143, 73.0204 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(154, 24, 226) }
```


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

```
.border{ border-color:rgb(154, 24, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 24, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 24, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 24, 226);  
box-shadow:4px 4px 4px 4px rgb(154, 24,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3805, 13.0143, 73.0204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 24, 226) }
```

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

```
.background{ background-color: rgb(154, 24,  
226) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor