

Converting Colors

XYZ(40.2291, 18.7474, 91.8586)

Have a look what the booklet for
XYZ(40.2291, 18.7474, 91.8586)
contains.

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Color

**XYZ(40.2813, 18.7724,
91.9429)**

Conversions

Conversions Part 1

Format	Color
Hex	C500FA
RGB	197, 0, 250
RGB Percent	77%, 0%, 98%
CMY	0.2274, 1.0000, 0.0196
CMYK	0.21, 1.00, 0.00, 0.02
HSL	287°, 100%, 49%
HSV	287°, 100%, 98%
XYZ	40.2813, 18.7724, 91.9429
YIQ	87.4030, 37.1620, 119.5140

Conversions

Conversions Part 2

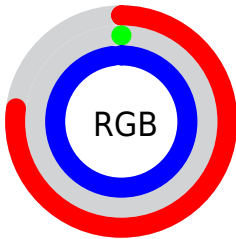
Format	Color
RYB	197, 0, 250
Decimal	12910842
CIELab	50.42, 89.28, -74.52
CIELCh	50, 116.293, 320.148
Yxy	18.7724, 0.2668, 0.1243
Android (android.graphics.Color)	4291100922 (0xFFC500FA)
YUV	87.4030, 80.1603, 96.1166
Hunter-Lab	43.3271, 90.1293, -95.4881

Details

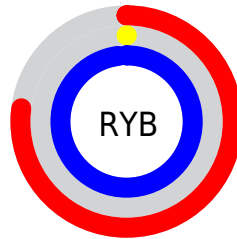
The XYZ color **40.2813, 18.7724, 91.9429** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **35.6545, 69.1287, 11.4643**, and the grayscale version is **8.9748, 9.4422, 10.2825**.

A 20% lighter version of the original color is **63.3822, 36.6644, 98.3441**, and **19.6678, 9.0400, 50.5775** is the 20% darker color. If you saturate the color by 10%, you get **40.2815, 18.7725, 91.9433**, and if you desaturate by 10%, it is **42.0425, 20.1968, 92.1253**.

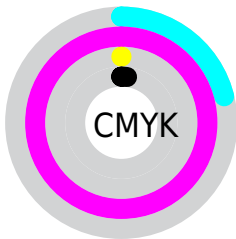
Distribution



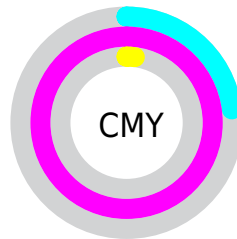
- Red (77%)
- Green (0%)
- Blue (98%)



- Red (77%)
- Yellow (0%)
- Blue (98%)



- Cyan (21%)
- Magenta (100%)
- Yellow (0%)
- Black (2%)





- Cyan (23%)
- Magenta (100%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.2813, 18.7724, 91.9429 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 40.2813, 18.7724, 91.9429 by changing the saturation by 10% instead.


 40.2813, 18.7724,
91.9429

 40.2813, 18.7724,
91.9429


338.4219,
245.1894, 555.0633


 27.9431, 11.5059,
69.0104


 74.8733, 41.3492,
151.9933

 18.4230, 6.4082,
50.2484


 97.8578, 57.4282,
189.9482

 11.3556, 3.0949,
35.2382


 125.1219, 77.2136,
233.7478

 6.3756, 1.1815,
23.5614

 157.0307,
101.0898, 283.8105

 3.1176, 0.0465,
14.7994

 193.9498,
129.4410, 340.5548

 1.2163, 0.0000,
8.5337

 236.2445,

 0.1192, 0.0000,

162.6518, 404.3994

4.3457

284.2801,
201.1064, 475.7627

■ 0.0000, 0.0000,
1.8168

■ 0.0000, 0.0000,
0.4390

■ 40.2813, 18.7724,
91.9429

■ 40.2813, 18.7724,
91.9429

■ 40.2815, 18.7725,
91.9433

■ 42.0425, 20.1968,
92.1253

■ 44.2974, 22.5368,
92.4582

■ 47.1847, 26.0675,
92.9875

■ 50.7878, 30.9555,
93.7411

■ 55.1771, 37.3403,
94.7421

■ 60.4139, 45.3442,
96.0110

■ 66.5531, 55.0765,
97.5660

■ 73.6452, 66.6371,
99.4236

■ 81.7364, 80.1181,
101.5992

Harmonies

Analogous

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



26.4287, 18.7724, 152.3452



40.2813, 18.7724, 91.9429



48.9824, 18.7724, 33.0532

Triad

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



40.2813, 18.7724, 91.9429



21.8275, 18.7724, 0.0000



4.2248, 18.7724, 50.2662

Complementary

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



40.2813, 18.7724, 91.9429



35.6545, 69.1287, 11.4643

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.



3.8499, 18.7724, 11.5293



40.2813, 18.7724, 91.9429



11.3523, 18.7724, 0.0000

Square

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



40.2813, 18.7724, 91.9429



35.7172, 18.7724, 0.0000



5.8146, 18.7724, 0.8676



7.2215, 18.7724, 115.1999

Rectangle

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



40.2813, 18.7724, 91.9429



48.9441, 18.7724, 11.3144



5.8146, 18.7724, 0.8676



3.8569, 18.7724, 33.4917

Sweetspot

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



40.2822, 18.7731, 91.9433



69.5931, 57.5729, 102.0525



18.5829, 9.5570, 91.3081



14.2906, 11.3552, 21.6885



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.



40.2822, 18.7731, 91.9433



42.1213, 19.6292, 96.1765



47.5786, 23.5859, 44.7830



17.6117, 17.3280, 21.8017



21.4917, 10.0221, 48.7753



2.0773, 0.9730, 4.5215

Inverse Universe

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



40.0674, 20.5815, 5.2301



41.9073, 21.5269, 5.4437



35.3182, 68.8245, 17.3576



17.3952, 17.2854, 18.6706



21.2950, 10.9337, 2.9959



2.0093, 1.0275, 0.4723

Previews

White Background



This preview shows how the XYZ color 40.2813, 18.7724, 91.9429 looks on a white background.

Color Contrast Check

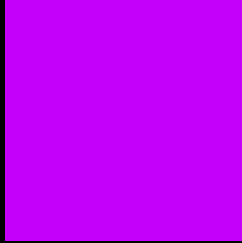
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.2813, 18.7724, 91.9429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

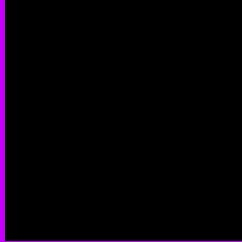
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.2813, 18.7724, 91.9429

Background



This preview shows how black text looks on a background with the XYZ color 40.2813, 18.7724, 91.9429.



This preview shows how white text looks on a background with the XYZ color 40.2813, 18.7724,

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

40.2813, 18.7724, 91.9429

Protanopia

23.1498, 19.4380, 90.5275

Deuteranopia

19.6023, 19.3732, 67.6720



Tritanopia

24.8220, 18.9854, 15.7209

Trichromacy



Original Color

40.2813, 18.7724, 91.9429



Protanomaly

22.0645, 13.0526, 90.1634



Deuteranomaly

19.4721, 12.5711, 74.7990



Tritanomaly

27.6613, 16.1042, 33.9983

Monochromacy



Original Color

40.2813, 18.7724, 91.9429



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

15.3069, 9.3197, 28.1863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2813, 18.7724, 91.9429 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(197, 0, 250)` looks like.

```
.text, #text, p{  
    color:rgb(197, 0, 250)  
}
```

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(197, 0, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 0, 250) }
```

Border

The CSS property to change the border of an element to XYZ 40.2813, 18.7724, 91.9429 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(197, 0, 250) }
```


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

```
.border{ border-color:rgb(197, 0, 250) }
```

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

Here you see how a box with a 4 pixel rgb(197, 0, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 0, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 0, 250);  
box-shadow:4px 4px 4px 4px rgb(197, 0,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2813, 18.7724, 91.9429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 0, 250) }
```

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

```
.background{ background-color: rgb(197, 0,  
250) }
```

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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