

Converting Colors

XYZ(40.7013, 18.9708, 92.7833)

Have a look what the booklet for
XYZ(40.7013, 18.9708, 92.7833)
contains.

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Color

**XYZ(40.7013, 18.9708,
92.7833)**

Conversions

Conversions Part 1

Format	Color
Hex	C600FB
RGB	198, 0, 251
RGB Percent	78%, 0%, 98%
CMY	0.2235, 0.9999, 0.0157
CMYK	0.21, 1.00, 0.00, 0.02
HSL	287°, 100%, 49%
HSV	287°, 100%, 98%
XYZ	40.7013, 18.9708, 92.7833
YIQ	87.8160, 37.4370, 120.0370

Conversions

Conversions Part 2

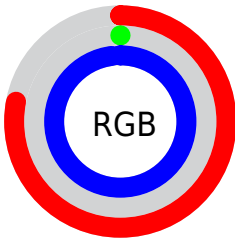
Format	Color
RYB	198, 0, 251
Decimal	12976379
CIELab	50.65, 89.57, -74.69
CIELCh	51, 116.630, 320.176
Yxy	18.9708, 0.2670, 0.1244
Android (android.graphics.Color)	4291166459 (0xFFC600FB)
YUV	87.8160, 80.4497, 96.6314
Hunter-Lab	43.5555, 90.5808, -95.8126

Details

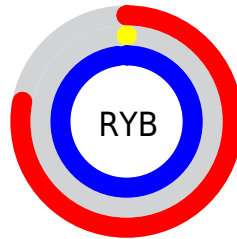
The XYZ color **40.7013, 18.9708, 92.7833** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **35.9662, 69.7519, 11.5683**, and the grayscale version is **9.0632, 9.5352, 10.3838**.

A 20% lighter version of the original color is **63.3822, 36.6644, 98.3441**, and **19.9422, 9.1686, 51.1707** is the 20% darker color. If you saturate the color by 10%, you get **40.7013, 18.9708, 92.7836**, and if you desaturate by 10%, it is **42.4739, 20.4043, 92.9669**.

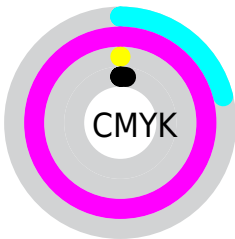
Distribution



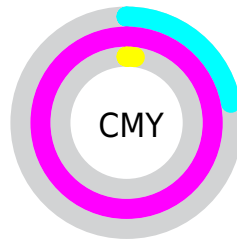
- Red (78%)
- Green (0%)
- Blue (98%)



- Red (78%)
- Yellow (0%)
- Blue (98%)



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




- Cyan (22%)
- Magenta (100%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7013, 18.9708, 92.7833 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 40.7013, 18.9708, 92.7833 by changing the saturation by 10% instead.

 40.7013, 18.9708,
92.7833


 40.7013, 18.9708,
92.7833


340.1546,
246.2875, 557.8459


 28.2724, 11.6492,
69.7047

 75.5078, 41.6848,
153.1677

 18.6726, 6.5053,
50.8105


 98.6162, 57.8459,
191.3106


 11.5365, 3.1547,
35.6822

 126.0150, 77.7223,
235.3120

 6.4989, 1.2130,
23.9011

 158.0698,
101.6984, 285.5905

 3.1943, 0.0723,
15.0487

 195.1457,
130.1586, 342.5646

 1.2573, 0.0000,
8.7066

 237.6083,

 0.1509, 0.0000,

163.4872, 406.6528

4.4561

285.8228,
202.0687, 478.2737

■ 0.0000, 0.0000,
1.8788

■ 0.0000, 0.0000,
0.4792

■ 40.7013, 18.9708,
92.7833

■ 40.7013, 18.9708,
92.7833

■ 40.7013, 18.9708,
92.7836

■ 42.4739, 20.4043,
92.9669

■ 44.7447, 22.7621,
93.3023

■ 47.6534, 26.3216,
93.8361

■ 51.2843, 31.2508,
94.5961

■ 55.7083, 37.6908,
95.6060

■ 60.9874, 45.7650,
96.8862

■ 67.1772, 55.5838,
98.4552

■ 74.3285, 67.2481,
100.3298

■ 82.4880, 80.8508,
102.5253

Harmonies

Analogous

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



26.7152, 18.9708, 153.7779



40.7013, 18.9708, 92.7833



49.4779, 18.9708, 33.3516

Triad

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



40.7013, 18.9708, 92.7833



22.0434, 18.9708, 0.0000



4.2756, 18.9708, 50.8264

Complementary

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



40.7013, 18.9708, 92.7833



35.9662, 69.7519, 11.5683

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.



3.8947, 18.9708, 11.6765



40.7013, 18.9708, 92.7833



11.4681, 18.9708, 0.0000

Square

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



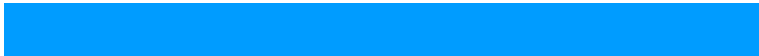
40.7013, 18.9708, 92.7833



36.0679, 18.9708, 0.0000



5.8776, 18.9708, 0.8837



7.3071, 18.9708, 116.3872

Rectangle

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



40.7013, 18.9708, 92.7833



49.4320, 18.9708, 11.4180



5.8776, 18.9708, 0.8837



3.9031, 18.9708, 33.8786

Sweetspot

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



40.7023, 18.9715, 92.7837



69.6148, 57.5841, 102.0535



18.7505, 9.6404, 92.1396



14.2958, 11.3579, 21.6888



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.



40.7023, 18.9715, 92.7837



42.1790, 19.6590, 96.1792



48.0107, 23.8003, 45.1836



17.6132, 17.3288, 21.8018



21.5207, 10.0370, 48.7766



2.0797, 0.9742, 4.5216

Inverse Universe

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



40.4268, 20.7668, 5.2473



41.9022, 21.5249, 5.4172



35.6389, 69.4513, 17.5097



17.3945, 17.2852, 18.6674



21.2923, 10.9326, 2.9817



2.0090, 1.0273, 0.4706

Previews

White Background



This preview shows how the XYZ color 40.7013, 18.9708, 92.7833 looks on a white background.

Color Contrast Check

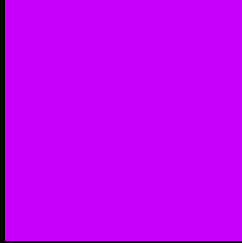
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.7013, 18.9708, 92.7833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

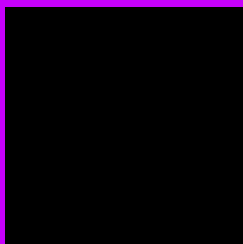
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.7013, 18.9708, 92.7833

Background



This preview shows how black text looks on a background with the XYZ color 40.7013, 18.9708, 92.7833.



This preview shows how white text looks on a background with the XYZ color 40.7013, 18.9708,

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

40.7013, 18.9708, 92.7833

Protanopia

23.4217, 19.7342, 91.3816

Deuteranopia

19.8580, 19.6770, 68.3970



Tritanopia

25.0489, 19.1024, 15.7315

Trichromacy



Original Color

40.7013, 18.9708, 92.7833



Protanomaly

22.2874, 13.2494, 91.0052



Deuteranomaly

19.6840, 12.7722, 75.5566



Tritanomaly

27.9018, 16.2282, 34.0095

Monochromacy



Original Color

40.7013, 18.9708, 92.7833



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

15.5827, 9.5241, 28.6208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7013, 18.9708, 92.7833 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(198, 0, 251)` looks like.

```
.text, #text, p{  
    color:rgb(198, 0, 251)  
}
```

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(198, 0, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 0, 251) }
```

Border

The CSS property to change the border of an element to XYZ 40.7013, 18.9708, 92.7833 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(198, 0, 251) }
```


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

```
.border{ border-color:rgb(198, 0, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 0, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 0, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 0, 251);  
box-shadow:4px 4px 4px 4px rgb(198, 0,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7013, 18.9708, 92.7833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 0, 251) }
```

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

```
.background{ background-color: rgb(198, 0,  
251) }
```

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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