

Converting Colors

XYZ(40.7912, 19.0371, 91.8849)

Have a look what the booklet for
XYZ(40.7912, 19.0371, 91.8849)
contains.

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Color

**XYZ(40.8085, 19.0442,
91.9675)**

Conversions

Conversions Part 1

Format	Color
Hex	C700FA
RGB	199, 0, 250
RGB Percent	78%, 0%, 98%
CMY	0.2196, 0.9999, 0.0196
CMYK	0.20, 1.00, 0.00, 0.02
HSL	288°, 100%, 49%
HSV	288°, 100%, 98%
XYZ	40.8085, 19.0442, 91.9675
YIQ	88.0010, 38.3540, 119.9380

Conversions

Conversions Part 2

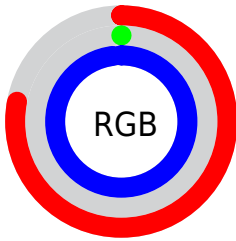
Format	Color
RYB	199, 0, 250
Decimal	13041914
CIELab	50.74, 89.53, -73.99
CIELCh	51, 116.149, 320.431
Yxy	19.0442, 0.2688, 0.1254
Android (android.graphics.Color)	4291231994 (0xFFC700FA)
YUV	88.0010, 79.8655, 97.3461
Hunter-Lab	43.6397, 90.5503, -94.4017

Details

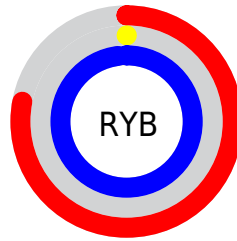
The XYZ color **40.8085, 19.0442, 91.9675** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **35.5516, 69.0756, 11.4595**, and the grayscale version is **9.1040, 9.5781, 10.4305**.

A 20% lighter version of the original color is **63.3822, 36.6644, 98.3441**, and **19.9957, 9.2090, 50.5928** is the 20% darker color. If you saturate the color by 10%, you get **40.8086, 19.0443, 91.9679**, and if you desaturate by 10%, it is **42.5333, 20.4499, 92.1483**.

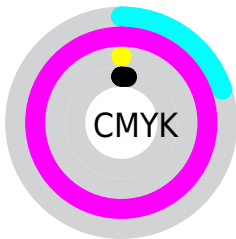
Distribution



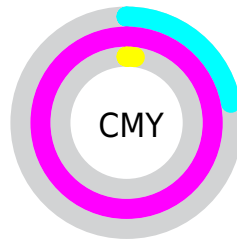
- Red (78%)
- Green (0%)
- Blue (98%)



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



- Cyan (20%)
- Magenta (100%)
- Yellow (0%)
- Black (2%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8085, 19.0442, 91.9675 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 40.8085, 19.0442, 91.9675 by changing the saturation by 10% instead.

 40.8085, 19.0442,
91.9675


 40.8085, 19.0442,
91.9675

340.5959,
246.6927, 555.1449


 28.3565, 11.7022,
69.0308

 75.6696, 41.8088,
152.0277


 18.7364, 6.5413,
50.2648


 98.8095, 58.0002,
189.9881

 11.5828, 3.1769,
35.2512


 126.2427, 77.9101,
233.7936

 6.5305, 1.2248,
23.5714

 158.3345,
101.9231, 283.8626

 3.2139, 0.0818,
14.8067

 195.4504,
130.4234, 340.6137

 1.2679, 0.0000,
8.5387

 237.9557,

 0.1590, 0.0000,

163.7955, 404.4654

4.3489

286.2157,
202.4238, 475.8363

■ 0.0000, 0.0000,
1.8186

■ 0.0000, 0.0000,
0.4402

■ 40.8085, 19.0442,
91.9675

■ 40.8085, 19.0442,
91.9675

■ 40.8086, 19.0443,
91.9679

■ 42.5333, 20.4499,
92.1483

■ 44.7485, 22.7694,
92.4792

■ 47.5924, 26.2779,
93.0065

■ 51.1486, 31.1417,
93.7579

■ 55.4873, 37.5006,
94.7566

■ 60.6697, 45.4766,
96.0230

■ 66.7510, 55.1791,
97.5753

■ 73.7812, 66.7079,
99.4300

■ 81.8067, 80.1550,
101.6026

Harmonies

Analogous

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



26.8841, 19.0442, 152.7879



40.8085, 19.0442, 91.9675



49.4717, 19.0442, 33.0238

Triad

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



40.8085, 19.0442, 91.9675



21.9958, 19.0442, 0.0000



4.3482, 19.0442, 51.2863

Complementary

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



40.8085, 19.0442, 91.9675



35.5516, 69.0756, 11.4595

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.



3.9462, 19.0442, 11.9511



40.8085, 19.0442, 91.9675



11.4753, 19.0442, 0.0000

Square

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



40.8085, 19.0442, 91.9675



35.9678, 19.0442, 0.0000



5.9142, 19.0442, 0.9433



7.4185, 19.0442, 116.5727

Rectangle

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



40.8085, 19.0442, 91.9675



49.3598, 19.0442, 11.3183



5.9142, 19.0442, 0.9433



3.9670, 19.0442, 34.3088

Sweetspot

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



40.8095, 19.0449, 91.9679



69.7998, 57.6795, 102.0621



18.5830, 9.5571, 91.3081



14.3404, 11.3809, 21.6909



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.



40.8095, 19.0449, 91.9679



42.6731, 19.9137, 96.2023



47.5786, 23.5859, 44.7833



17.6259, 17.3353, 21.8024



21.7682, 10.1646, 48.7882



2.1006, 0.9850, 4.5226

Inverse Universe

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



40.0224, 20.5635, 4.9930



41.8603, 21.5081, 5.1964



35.3182, 68.8245, 17.3578



17.3894, 17.2831, 18.6403



21.2698, 10.9236, 2.8633



2.0062, 1.0262, 0.4559

Previews

White Background



This preview shows how the XYZ color 40.8085, 19.0442, 91.9675 looks on a white background.

Color Contrast Check

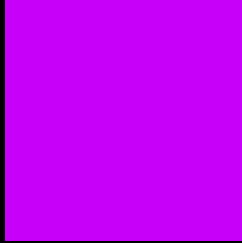
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.8085, 19.0442, 91.9675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

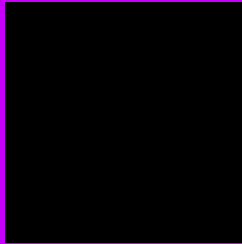
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.8085, 19.0442, 91.9675

Background



This preview shows how black text looks on a background with the XYZ color 40.8085, 19.0442, 91.9675.



This preview shows how white text looks on a background with the XYZ color 40.8085, 19.0442,

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

40.8085, 19.0442, 91.9675

Protanopia

23.5773, 19.7964, 92.2010

Deuteranopia

19.9885, 19.7292, 69.0843



Tritanopia

25.2776, 19.2203, 15.7422

Trichromacy



Original Color

40.8085, 19.0442, 91.9675



Protanomaly

22.2874, 13.2494, 91.0052



Deuteranomaly

19.8241, 12.8282, 76.2942



Tritanomaly

28.1439, 16.3530, 34.0208

Monochromacy



Original Color

40.8085, 19.0442, 91.9675



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 40.8085, 19.0442, 91.9675 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(199, 0, 250)` looks like.

```
.text, #text, p{  
    color:rgb(199, 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(199, 0, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 0, 250) }
```

Border

The CSS property to change the border of an element to XYZ 40.8085, 19.0442, 91.9675 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(199, 0, 250) }
```


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

```
.border{ border-color:rgb(199, 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(199, 0, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 0, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 0, 250);  
box-shadow:4px 4px 4px 4px rgb(199, 0,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8085, 19.0442, 91.9675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 0, 250) }
```

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

```
.background{ background-color: rgb(199, 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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