

Converting Colors

XYZ(41.0329, 19.1618, 91.8962)

Have a look what the booklet for
XYZ(41.0329, 19.1618, 91.8962)
contains.

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Color

**XYZ(41.0747, 19.1815,
91.9800)**

Conversions

Conversions Part 1

Format	Color
Hex	C800FA
RGB	200, 0, 250
RGB Percent	78%, 0%, 98%
CMY	0.2157, 0.9999, 0.0196
CMYK	0.20, 1.00, 0.00, 0.02
HSL	288°, 100%, 49%
HSV	288°, 100%, 98%
XYZ	41.0747, 19.1815, 91.9800
YIQ	88.3000, 38.9500, 120.1500

Conversions

Conversions Part 2

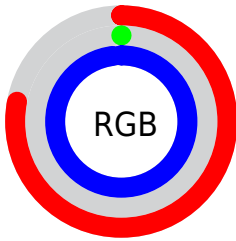
Format	Color
R _Y B	200, 0, 250
Decimal	13107450
CIE Lab	50.90, 89.66, -73.72
CIE LCh	51, 116.079, 320.573
Yxy	19.1815, 0.2698, 0.1260
Android (android.graphics.Color)	4291297530 (0xFFC800FA)
YUV	88.3000, 79.7181, 97.9609
Hunter-Lab	43.7967, 90.7619, -93.8607

Details

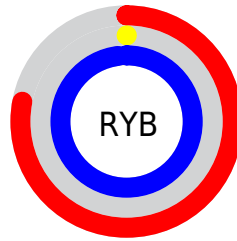
The XYZ color **41.0747, 19.1815, 91.9800** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **35.5020, 69.0500, 11.4574**, and the grayscale version is **9.1694, 9.6470, 10.5055**.

A 20% lighter version of the original color is **63.3822, 36.6644, 98.3441**, and **20.1619, 9.2947, 50.6006** is the 20% darker color. If you saturate the color by 10%, you get **41.0745, 19.1814, 91.9803**, and if you desaturate by 10%, it is **42.7810, 20.5777, 92.1599**.

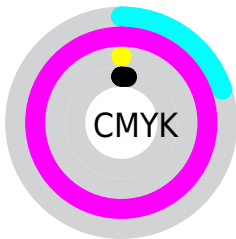
Distribution



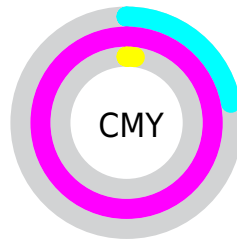
- Red (78%)
- Green (0%)
- Blue (98%)



- 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 41.0747, 19.1815, 91.9800 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 41.0747, 19.1815, 91.9800 by changing the saturation by 10% instead.


 41.0747, 19.1815,
91.9800


 41.0747, 19.1815,
91.9800

341.6900,
247.4489, 555.1863


 28.5654, 11.8015,
69.0411


 76.0713, 42.0406,
152.0451


 18.8949, 6.6087,
50.2732


 99.2892, 58.2884,
190.0084


 11.6979, 3.2186,
35.2578


 126.8075, 78.2610,
233.8169

 6.6091, 1.2469,
23.5764

 158.9913,
102.3427, 283.8891

 3.2630, 0.0995,
14.8104

 196.2061,
130.9180, 340.6437

 1.2943, 0.0000,
8.5413

 238.8173,

 0.1790, 0.0000,

164.3712, 404.4990

4.3505

287.1901,
203.0867, 475.8737

■ 0.0000, 0.0000,
1.8195

■ 0.0000, 0.0000,
0.4408

■ 41.0747, 19.1815,
91.9800

■ 41.0747, 19.1815,
91.9800

■ 41.0745, 19.1814,
91.9803

■ 42.7810, 20.5777,
92.1599

■ 44.9759, 22.8870,
92.4900

■ 47.7979, 26.3843,
93.0163

■ 51.3305, 31.2361,
93.7666

■ 55.6437, 37.5821,
94.7641

■ 60.7989, 45.5443,
96.0293

■ 66.8511, 55.2321,
97.5802

■ 73.8504, 66.7452,
99.4336

■ 81.8431, 80.1758,
101.6047

Harmonies

Analogous

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



27.1144, 19.1815, 153.0106



41.0747, 19.1815, 91.9800



49.7184, 19.1815, 33.0091

Triad

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



41.0747, 19.1815, 91.9800



22.0806, 19.1815, 0.0000



4.4110, 19.1815, 51.8031

Complementary

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



41.0747, 19.1815, 91.9800



35.5020, 69.0500, 11.4574

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.



3.9951, 19.1815, 12.1664



41.0747, 19.1815, 91.9800



11.5374, 19.1815, 0.0000

Square

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



41.0747, 19.1815, 91.9800



36.0939, 19.1815, 0.0000



5.9646, 19.1815, 0.9814



7.5186, 19.1815, 117.2656

Rectangle

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



41.0747, 19.1815, 91.9800



49.5693, 19.1815, 11.3203



5.9646, 19.1815, 0.9814



4.0229, 19.1815, 34.7236

Sweetspot

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



41.0757, 19.1822, 91.9804



69.9033, 57.7329, 102.0670



18.5832, 9.5575, 91.3082



14.3654, 11.3938, 21.6920



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.



41.0757, 19.1822, 91.9804



42.9514, 20.0572, 96.2154



47.5788, 23.5861, 44.7840



17.6330, 17.3390, 21.8027



21.9076, 10.2365, 48.7947



2.1124, 0.9910, 4.5231

Inverse Universe

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



40.0008, 20.5549, 4.8786



41.8376, 21.4990, 5.0768



35.3184, 68.8246, 17.3584



17.3865, 17.2820, 18.6252



21.2576, 10.9188, 2.7990



2.0046, 1.0256, 0.4479

Previews

White Background



This preview shows how the XYZ color 41.0747, 19.1815, 91.9800 looks on a white background.

Color Contrast Check

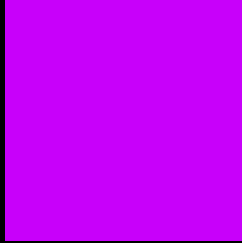
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.0747, 19.1815, 91.9800 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 41.0747, 19.1815, 91.9800

Background



This preview shows how black text looks on a background with the XYZ color 41.0747, 19.1815, 91.9800.



This preview shows how white text looks on a background with the XYZ color 41.0747, 19.1815,

91.9800.

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

41.0747, 19.1815, 91.9800

Protanopia

23.5773, 19.7964, 92.2010

Deuteranopia

20.1198, 19.7817, 69.7757



Tritanopia

25.5079, 19.3390, 15.7530

Trichromacy



Original Color

41.0747, 19.1815, 91.9800



Protanomaly

22.3626, 13.2882, 91.0088



Deuteranomaly

19.8992, 12.8670, 76.2977



Tritanomaly

28.3877, 16.4787, 34.0323

Monochromacy



Original Color

41.0747, 19.1815, 91.9800



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

15.7339, 9.6021, 28.6279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.0747, 19.1815, 91.9800 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(200, 0, 250)` looks like.

```
.text, #text, p{  
    color:rgb(200, 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(200, 0, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 0, 250) }
```

Border

The CSS property to change the border of an element to XYZ 41.0747, 19.1815, 91.9800 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(200, 0, 250) }
```


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

```
.border{ border-color:rgb(200, 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(200, 0, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 0, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 0, 250);  
box-shadow:4px 4px 4px 4px rgb(200, 0,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 41.0747, 19.1815, 91.9800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 0, 250) }
```

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

```
.background{ background-color: rgb(200, 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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