

Converting Colors

XYZ(41.9315, 19.9340, 78.0181)

Have a look what the booklet for
XYZ(41.9315, 19.9340, 78.0181)
contains.

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Color

**XYZ(42.0061, 19.9723,
77.9850)**

Conversions

Conversions Part 1

Format	Color
Hex	D500E8
RGB	213, 0, 232
RGB Percent	84%, 0%, 91%
CMY	0.1647, 0.9999, 0.0902
CMYK	0.08, 1.00, 0.00, 0.09
HSL	295°, 100%, 45%
HSV	295°, 100%, 91%
XYZ	42.0061, 19.9723, 77.9850
YIQ	90.1350, 52.4760, 117.3080

Conversions

Conversions Part 2

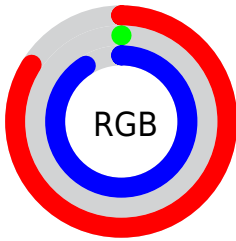
Format	Color
RYB	213, 0, 232
Decimal	13959400
CIELab	51.81, 88.59, -62.04
CIElCh	52, 108.151, 324.998
Yxy	19.9723, 0.3001, 0.1427
Android (android.graphics.Color)	4292149480 (0xFFD500E8)
YUV	90.1350, 69.9394, 107.7526
Hunter-Lab	44.6904, 89.5704, -72.1782

Details

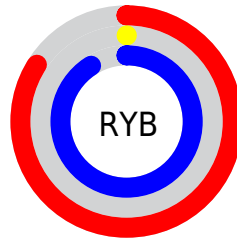
The XYZ color **42.0061, 19.9723, 77.9850** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **29.1258, 57.8522, 9.6322**, and the grayscale version is **9.5918, 10.0913, 10.9894**.

A 20% lighter version of the original color is **63.4729, 36.8457, 98.3743**, and **20.8747, 9.8674, 41.3618** is the 20% darker color. If you saturate the color by 10%, you get **42.0062, 19.9724, 77.9853**, and if you desaturate by 10%, it is **42.8720, 20.8802, 78.1149**.

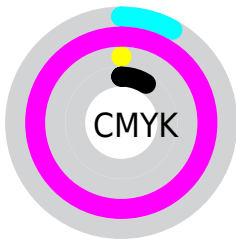
Distribution



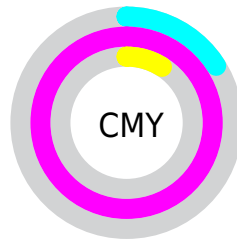
- Red (84%)
- Green (0%)
- Blue (91%)



- Red (84%)
- Yellow (0%)
- Blue (91%)



- Cyan (8%)
- Magenta (100%)
- Yellow (0%)
- Black (9%)





- Cyan (16%)
- Magenta (100%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0061, 19.9723, 77.9850 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 42.0061, 19.9723, 77.9850 by changing the saturation by 10% instead.


 42.0061, 19.9723,
77.9850

 42.0061, 19.9723,
77.9850

345.4994,
251.7651, 507.6425


 29.2972, 12.3749,
57.5453


 77.4740, 43.3707,
132.3147


 19.4512, 6.9995,
41.0309

 100.9636, 59.9406,
167.0417

 12.1027, 3.4618,
28.0234


 128.7776, 80.2700,
207.3682

 6.8863, 1.3773,
18.1041

 161.2812,
104.7435, 253.7128

 3.4368, 0.1999,
10.8545

 198.8399,
133.7453, 306.4940

 1.3887, 0.0000,
5.8562

 241.8189,

 0.2482, 0.0000,

167.6599, 366.1303

2.6904

290.5836,
206.8717, 433.0403

■ 0.0000, 0.0000,
0.9386

■ 0.0000, 0.0000,
0.0000

■ 42.0061, 19.9723,
77.9850

■ 42.0061, 19.9723,
77.9850

■ 42.0062, 19.9724,
77.9853

■ 42.8720, 20.8802,
78.1149

■ 44.1157, 22.5349,
78.3687

■ 45.8561, 25.1735,
78.7863

■ 48.1622, 28.9337,
79.3906

■ 51.0919, 33.9314,
80.2008

■ 54.6959, 40.2679,
81.2339

■ 59.0195, 48.0340,
82.5051

■ 64.1044, 57.3127,
84.0280

■ 69.9887, 68.1806,
85.8156

Harmonies

Analogous

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



29.3536, 19.9723, 135.1258



42.0061, 19.9723, 77.9850



48.6661, 19.9723, 27.4446

Triad

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



42.0061, 19.9723, 77.9850



20.8804, 19.9723, 0.0000



5.5730, 19.9723, 58.5207

Complementary

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



42.0061, 19.9723, 77.9850



29.1258, 57.8522, 9.6322

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.



4.7776, 19.9723, 16.8972



42.0061, 19.9723, 77.9850



11.3977, 19.9723, 0.0000

Square

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



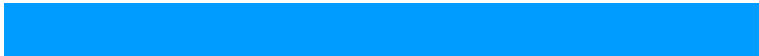
42.0061, 19.9723, 77.9850



33.8183, 19.9723, 0.0511



6.4247, 19.9723, 2.2485



9.2794, 19.9723, 118.1090

Rectangle

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



42.0061, 19.9723, 77.9850



47.4815, 19.9723, 9.5687



6.4247, 19.9723, 2.2485



5.0363, 19.9723, 41.4024

Sweetspot

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



42.0070, 19.9732, 77.9854



73.0425, 59.3512, 102.2139



14.8048, 6.3042, 76.7808



15.1254, 11.7856, 21.7276



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.



42.0070, 19.9732, 77.9854



52.0199, 24.7321, 96.6398



37.6765, 18.9153, 24.7138



14.8726, 14.5520, 18.1693



23.3716, 11.1144, 43.2966



1.7617, 0.8392, 3.2011

Inverse Universe

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



33.3968, 17.2035, 2.1775



41.3743, 21.3137, 2.6371



30.9998, 58.5707, 20.9027



14.4247, 14.3871, 15.1707



18.5586, 9.5576, 1.3045



1.3881, 0.7130, 0.1844

Previews

White Background



This preview shows how the XYZ color 42.0061, 19.9723, 77.9850 looks on a white background.

Color Contrast Check

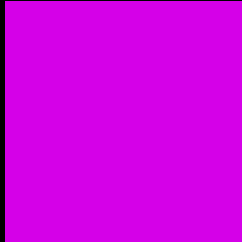
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.0061, 19.9723, 77.9850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

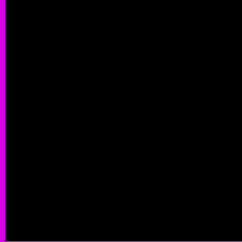
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.0061, 19.9723, 77.9850

Background



This preview shows how black text looks on a background with the XYZ color 42.0061, 19.9723, 77.9850.



This preview shows how white text looks on a background with the XYZ color 42.0061, 19.9723,

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

42.0061, 19.9723, 77.9850

Protanopia

24.8874, 20.8947, 97.3291

Deuteranopia

21.4632, 20.8691, 69.2266



Tritanopia

28.9247, 20.2156, 13.6868

Trichromacy



Original Color

42.0061, 19.9723, 77.9850



Protanomaly

22.5029, 13.6009, 89.4349



Deuteranomaly

22.4461, 14.4007, 71.4086



Tritanomaly

31.3300, 17.7979, 28.9782

Monochromacy



Original Color

42.0061, 19.9723, 77.9850



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

16.3373, 10.0301, 26.6661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0061, 19.9723, 77.9850 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(213, 0, 232)` looks like.

```
.text, #text, p{  
    color:rgb(213, 0, 232)  
}
```

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(213, 0, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 0, 232) }
```

Border

The CSS property to change the border of an element to XYZ 42.0061, 19.9723, 77.9850 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(213, 0, 232) }
```


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

```
.border{ border-color:rgb(213, 0, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 0, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 0, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 0, 232);  
box-shadow:4px 4px 4px 4px rgb(213, 0,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0061, 19.9723, 77.9850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 0, 232) }
```

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

```
.background{ background-color: rgb(213, 0,  
232) }
```

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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