

Converting Colors

XYZ(40.5012, 21.9395, 96.7078)

Have a look what the booklet for
XYZ(40.5012, 21.9395, 96.7078)
contains.

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Color

**XYZ(40.4278, 21.9153,
96.7070)**

Conversions

Conversions Part 1

Format	Color
Hex	BA45FF
RGB	186, 69, 255
RGB Percent	73%, 27%, 100%
CMY	0.2706, 0.7294, 0.0000
CMYK	0.27, 0.73, 0.00, 0.00
HSL	278°, 100%, 64%
HSV	278°, 73%, 100%
XYZ	40.4278, 21.9153, 96.7070
YIQ	125.1870, 10.0260, 82.6500

Conversions

Conversions Part 2

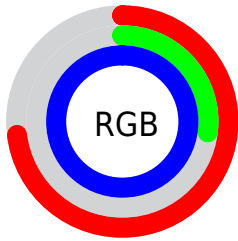
Format	Color
R _Y B	186, 69, 255
Decimal	12207615
CIE Lab	53.94, 74.57, -71.67
CIE LCh	54, 103.428, 316.138
Yxy	21.9153, 0.2542, 0.1378
Android (android.graphics.Color)	4290397695 (0xFFBA45FF)
YUV	125.1870, 63.9978, 53.3330
Hunter-Lab	46.8138, 72.2263, -89.7105

Details

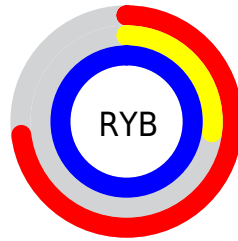
The XYZ color **40.4278, 21.9153, 96.7070** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed purple. A complement of this color would be **47.3154, 77.3529, 18.0675**, and the grayscale version is **19.3458, 20.3533, 22.1648**.

A 20% lighter version of the original color is **63.9971, 42.1729, 99.3749**, and **18.8304, 8.5432, 53.4799** is the 20% darker color. If you saturate the color by 10%, you get **36.9600, 18.2782, 96.1878**, and if you desaturate by 10%, it is **44.7230, 26.9789, 97.4580**.

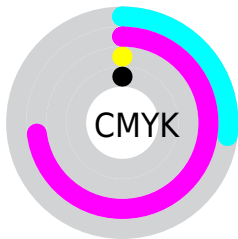
Distribution



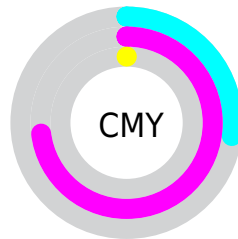
- Red (73%)
- Green (27%)
- Blue (100%)



- Red (73%)
- Yellow (27%)
- Blue (100%)



- Cyan (27%)
- Magenta (73%)
- Yellow (0%)
- Black (0%)




- Cyan (27%)
- Magenta (73%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4278, 21.9153, 96.7070 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 40.4278, 21.9153, 96.7070 by changing the saturation by 10% instead.


 40.4278, 21.9153,
96.7070


 40.4278, 21.9153,
96.7070

339.0270,
262.1036, 570.7388


 28.0579, 13.7947,
72.9518


 75.0947, 46.6060,
158.6366


 18.5100, 7.9780,
53.4450


 98.1225, 63.9448,
197.6481

 11.4187, 4.0809,
37.7680


 125.4336, 85.1252,
242.5821

 6.4185, 1.7189,
25.5022

 157.3935,
110.5314, 293.8572

 3.1443, 0.4359,
16.2292

 194.3674,
140.5480, 351.8918

 1.2305, 0.0000,
9.5304

236.7207,

 0.1303, 0.0000,

175.5593, 417.1046

4.9872

284.8188,
215.9497, 489.9141

■ 0.0000, 0.0000,
2.1811

■ 0.0000, 0.0000,
0.6635

■ 40.4278, 21.9153,
96.7070

■ 40.4278, 21.9153,
96.7070

■ 36.9600, 18.2782,
96.1878

■ 44.7230, 26.9789,
97.4580

■ 34.2206, 15.8774,
95.8688

■ 49.9221, 33.6216,
98.4662

■ 32.6286, 14.7355,
95.7323

■ 56.0954, 41.9783,
99.7538

■ 63.3045, 52.1686,
101.3408

71.6058, 64.3012,
103.2451

81.0511, 78.4758,
105.4832

91.6888, 94.7856,
108.0707

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



27.3756, 21.9153, 144.7912



40.4278, 21.9153, 96.7070



49.3491, 21.9153, 41.8031

Triad

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



40.4278, 21.9153, 96.7070



26.4002, 21.9153, 0.0000



6.2767, 21.9153, 45.3216

Complementary

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



40.4278, 21.9153, 96.7070



47.3154, 77.3529, 18.0675

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.



6.1781, 21.9153, 11.9672



40.4278, 21.9153, 96.7070



15.4207, 21.9153, 0.0000

Square

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



40.4278, 21.9153, 96.7070



39.4979, 21.9153, 1.3255



8.8801, 21.9153, 1.5928



9.2256, 21.9153, 101.1583

Rectangle

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



40.4278, 21.9153, 96.7070



50.2457, 21.9153, 17.8802



8.8801, 21.9153, 1.5928



5.9578, 21.9153, 31.0482

Sweetspot

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



40.4288, 21.9161, 96.7071



72.4443, 65.5453, 103.4410



29.9266, 27.3297, 98.3056



14.9943, 13.2718, 22.0214



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.



40.4288, 21.9161, 96.7071



35.4897, 16.9225, 96.0036



58.1192, 31.4169, 80.3168



18.1013, 17.9439, 22.7594



17.2196, 7.7875, 50.0301



1.7973, 0.8205, 4.8769

Inverse Universe

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



47.9557, 27.3515, 26.7963



44.7479, 23.4305, 18.0366



40.0899, 73.5355, 21.9111



18.2880, 18.0985, 20.1337



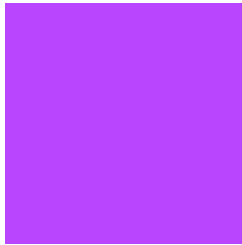
22.6844, 11.5630, 6.9883



2.2594, 1.1461, 0.9472

Previews

White Background



This preview shows how the XYZ color 40.4278, 21.9153, 96.7070 looks on a white background.

Color Contrast Check

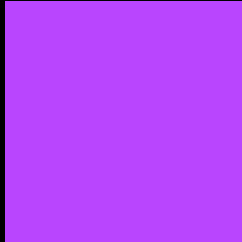
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.4278, 21.9153, 96.7070 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 40.4278, 21.9153, 96.7070

Background



This preview shows how black text looks on a background with the XYZ color 40.4278, 21.9153, 96.7070.



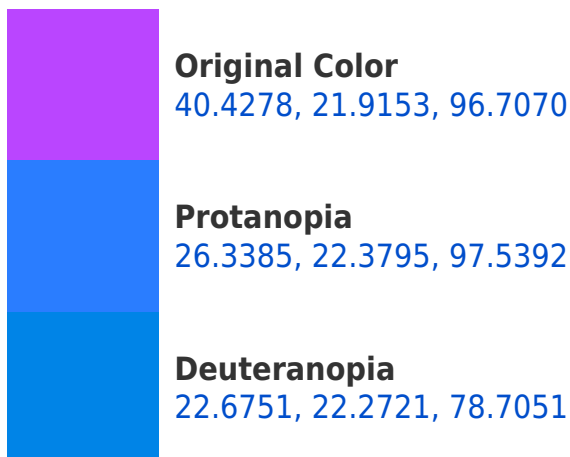
This preview shows how white text looks on a background with the XYZ color 40.4278, 21.9153,

96.7070.

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





Tritanopia

25.0787, 21.6092, 21.9180

Trichromacy



Original Color

40.4278, 21.9153, 96.7070



Protanomaly

27.7177, 19.7028, 96.9499



Deuteranomaly

23.5807, 18.4575, 84.7579



Tritanomaly

28.8273, 20.4846, 41.4643

Monochromacy



Original Color

40.4278, 21.9153, 96.7070



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

24.5306, 19.2848, 41.4592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4278, 21.9153, 96.7070 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(186, 69, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 69, 255)  
}
```

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(186, 69, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 69, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.4278, 21.9153, 96.7070 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(186, 69, 255) }
```


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

```
.border{ border-color:rgb(186, 69, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 69, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 69, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 69, 255); box-shadow:4px 4px 4px 4px rgb(186, 69, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4278, 21.9153, 96.7070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 69, 255) }
```

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

```
.background{ background-color: rgb(186, 69,  
255) }
```

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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