

Converting Colors

XYZ(40.1991, 19.5750, 96.2674)

Have a look what the booklet for
XYZ(40.1991, 19.5750, 96.2674)
contains.

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Color

**XYZ(40.1667, 19.5581,
96.2658)**

Conversions

Conversions Part 1

Format	Color
Hex	BF24FF
RGB	191, 36, 255
RGB Percent	75%, 14%, 100%
CMY	0.2510, 0.8588, 0.0000
CMYK	0.25, 0.86, 0.00, 0.00
HSL	282°, 100%, 57%
HSV	282°, 86%, 100%
XYZ	40.1667, 19.5581, 96.2658
YIQ	107.3110, 22.0810, 100.9690

Conversions

Conversions Part 2

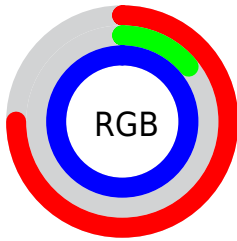
Format	Color
R _Y B	191, 36, 255
Decimal	12526847
CIE Lab	51.33, 84.98, -75.86
CIE LCh	51, 113.917, 318.245
Yxy	19.5581, 0.2575, 0.1254
Android (android.graphics.Color)	4290716927 (0xFFBF24FF)
YUV	107.3110, 72.8107, 73.3953
Hunter-Lab	44.2245, 84.7287, -98.1024

Details

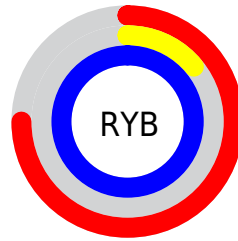
The XYZ color **40.1667, 19.5581, 96.2658** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light washed purple. A complement of this color would be **41.3342, 74.3568, 13.8432**, and the grayscale version is **13.8626, 14.5845, 15.8826**.

A 20% lighter version of the original color is **63.2465, 38.0186, 98.6126**, and **19.4381, 8.8565, 53.5083** is the 20% darker color. If you saturate the color by 10%, you get **37.8239, 17.5831, 96.0081**, and if you desaturate by 10%, it is **43.1546, 22.6793, 96.7108**.

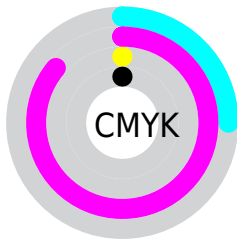
Distribution



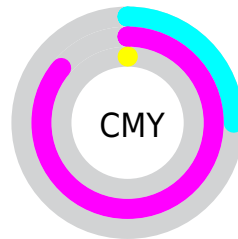
- Red (75%)
- Green (14%)
- Blue (100%)



- Red (75%)
- Yellow (14%)
- Blue (100%)



- Cyan (25%)
- Magenta (86%)
- Yellow (0%)
- Black (0%)





- Cyan (25%)
- Magenta (86%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1667, 19.5581, 96.2658 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 40.1667, 19.5581, 96.2658 by changing the saturation by 10% instead.

 40.1667, 19.5581,
96.2658


 40.1667, 19.5581,
96.2658

337.9481,
249.5127, 569.2969

 27.8533, 12.0742,
72.5863


 74.7000, 42.6751,
158.0228


 18.3550, 6.7943,
53.1480


 97.6507, 59.0769,
196.9373


 11.3064, 3.3338,
37.5324


 124.8778, 79.2203,
241.7672

 6.3421, 1.3084,
25.3209

 156.7468,
103.4895, 292.9311

 3.0968, 0.1477,
16.0951

 193.6229,
132.2689, 350.8475

 1.2052, 0.0000,
9.4364

235.8716,

 0.1105, 0.0000,

165.9430, 415.9349

4.9262

283.8582,
204.8961, 488.6119

■ 0.0000, 0.0000,
2.1461

■ 0.0000, 0.0000,
0.6430

■ 40.1667, 19.5581,
96.2658

■ 40.1667, 19.5581,
96.2658

■ 37.8239, 17.5831,
96.0081

■ 43.1546, 22.6793,
96.7108

■ 36.9846, 16.9812,
95.9361

■ 46.8863, 27.1456,
97.3762

■ 51.4447, 33.1199,
98.2891

■ 56.9003, 40.7407,
99.4725

63.3152, 50.1309,
100.9469

70.7459, 61.4012,
102.7307

79.2440, 74.6533,
104.8407

88.8576, 89.9813,
107.2926

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.



26.3191, 19.5581, 153.5530



40.1667, 19.5581, 96.2658



49.3093, 19.5581, 36.7901

Triad

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



40.1667, 19.5581, 96.2658



23.4149, 19.5581, 0.0000



4.5872, 19.5581, 47.5692

Complementary

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



40.1667, 19.5581, 96.2658



41.3342, 74.3568, 13.8432

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.



4.3394, 19.5581, 10.9070



40.1667, 19.5581, 96.2658



12.5440, 19.5581, 0.0000

Square

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



40.1667, 19.5581, 96.2658



37.3086, 19.5581, 0.2464



6.5747, 19.5581, 0.8840



7.4906, 19.5581, 110.6480

Rectangle

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



40.1667, 19.5581, 96.2658



49.7568, 19.5581, 13.5112



6.5747, 19.5581, 0.8840



4.2518, 19.5581, 31.6098

Sweetspot

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



40.1676, 19.5588, 96.2659



70.6509, 61.2550, 102.7074



23.5000, 17.0397, 96.6581



14.5469, 12.2303, 21.8439



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.



40.1676, 19.5588, 96.2659



36.9846, 16.9812, 95.9361



53.6541, 27.2353, 64.1892



18.2453, 18.0182, 22.7662



19.4814, 8.9535, 50.1360



2.0058, 0.9279, 4.8867

Inverse Universe

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



44.1714, 23.4422, 14.2538



42.4936, 21.7614, 8.5313



37.9284, 72.4714, 19.5408



18.2277, 18.0744, 19.8162



22.2599, 11.3932, 4.7531



2.2125, 1.1274, 0.7006

Previews

White Background



This preview shows how the XYZ color 40.1667, 19.5581, 96.2658 looks on a white background.

Color Contrast Check

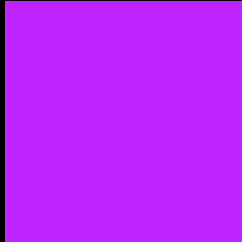
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.1667, 19.5581, 96.2658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

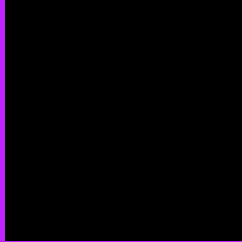
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.1667, 19.5581, 96.2658

Background



This preview shows how black text looks on a background with the XYZ color 40.1667, 19.5581, 96.2658.



This preview shows how white text looks on a background with the XYZ color 40.1667, 19.5581,

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

40.1667, 19.5581, 96.2658

Deuteranopia

19.9885, 19.7292, 69.0843

Tritanopia

23.9680, 19.3732, 17.5151

Trichromacy



Original Color

40.1667, 19.5581, 96.2658



Deuteranomaly

20.7924, 14.8634, 77.3744



Tritanomaly

27.3113, 17.4664, 36.5822

Monochromacy



Original Color

40.1667, 19.5581, 96.2658



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

19.8567, 13.8613, 35.3472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1667, 19.5581, 96.2658 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(191, 36, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 36, 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(191, 36, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 36, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.1667, 19.5581, 96.2658 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(191, 36, 255) }
```

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

```
.border{ border-color:rgb(191, 36, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 36, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 36, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 36, 255);  
box-shadow:4px 4px 4px 4px rgb(191, 36,  
255) }
```


Background

The CSS property to change the background color of an element to XYZ 40.1667, 19.5581, 96.2658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 36, 255) }
```

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

```
.background{ background-color: rgb(191, 36,  
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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