

Converting Colors

XYZ(41.3844, 21.9301, 96.6595)

Have a look what the booklet for
XYZ(41.3844, 21.9301, 96.6595)
contains.

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Color

**XYZ(41.3693, 21.9632,
96.6667)**

Conversions

Conversions Part 1

Format	Color
Hex	BF40FF
RGB	191, 64, 255
RGB Percent	75%, 25%, 100%
CMY	0.2510, 0.7490, 0.0000
CMYK	0.25, 0.75, 0.00, 0.00
HSL	280°, 100%, 63%
HSV	280°, 75%, 100%
XYZ	41.3693, 21.9632, 96.6667
YIQ	123.7470, 14.3810, 86.3250

Conversions

Conversions Part 2

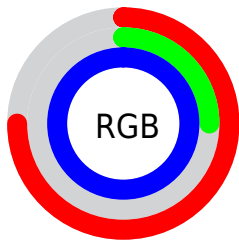
Format	Color
R _{YB}	191, 64, 255
Decimal	12534015
CIE _{Lab}	53.99, 77.25, -71.55
CIE _{LCh}	54, 105.297, 317.193
Yxy	21.9632, 0.2586, 0.1373
Android (android.graphics.Color)	4290724095 (0xFFBF40FF)
YUV	123.7470, 64.7077, 58.9809
Hunter-Lab	46.8649, 75.5546, -89.4901

Details

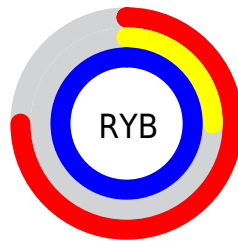
The XYZ color **41.3693, 21.9632, 96.6667** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed purple. A complement of this color would be **45.5877, 76.4794, 17.2103**, and the grayscale version is **18.8638, 19.8462, 21.6125**.

A 20% lighter version of the original color is **65.4025, 42.3308, 99.3313**, and **19.4381, 8.8565, 53.5083** is the 20% darker color. If you saturate the color by 10%, you get **38.1593, 18.6397, 96.1943**, and if you desaturate by 10%, it is **45.3632, 26.6660, 97.3639**.

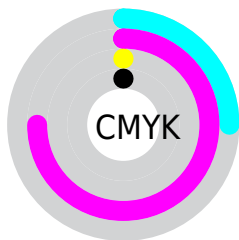
Distribution



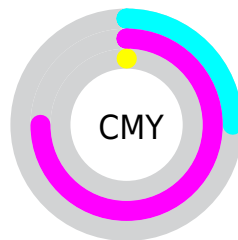
- Red (75%)
- Green (25%)
- Blue (100%)



- Red (75%)
- Yellow (25%)
- Blue (100%)



- Cyan (25%)
- Magenta (75%)
- Yellow (0%)
- Black (0%)





- Cyan (25%)
- Magenta (75%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.3693, 21.9632, 96.6667 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 41.3693, 21.9632, 96.6667 by changing the saturation by 10% instead.

 41.3693, 21.9632,
96.6667


 41.3693, 21.9632,
96.6667

342.8980,
262.3540, 570.6072


 28.7967, 13.8299,
72.9184


 76.5154, 46.6852,
158.5805


 19.0706, 8.0024,
53.4178


 99.8195, 64.0426,
197.5832

 11.8256, 4.0965,
37.7464


 127.4316, 85.2435,
242.5077

 6.6964, 1.7277,
25.4856

 159.7170,
110.6723, 293.7726

 3.3176, 0.4415,
16.2169

 197.0409,
140.7133, 351.7965

 1.3239, 0.0000,
9.5218

239.7688,

 0.2010, 0.0000,

175.7510, 416.9978

4.9816

288.2661,
216.1698, 489.7952

■ 0.0000, 0.0000,
2.1779

■ 0.0000, 0.0000,
0.6616

■ 41.3693, 21.9632,
96.6667

■ 41.3693, 21.9632,
96.6667

■ 38.1593, 18.6397,
96.1943

■ 45.3632, 26.6660,
97.3639

■ 35.6305, 16.4968,
95.9140

■ 50.2194, 32.9055,
98.3123

■ 34.5321, 15.7168,
95.8213

■ 56.0090, 40.8197,
99.5347

■ 62.7944, 50.5303,
101.0514

70.6321, 62.1475,
102.8807

79.5740, 75.7724,
105.0393

89.6685, 91.4990,
107.5428

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.



28.0261, 21.9632, 147.4283



41.3693, 21.9632, 96.6667



50.2687, 21.9632, 40.6492

Triad

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



41.3693, 21.9632, 96.6667



26.1056, 21.9632, 0.0000



6.1821, 21.9632, 47.6019

Complementary

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



41.3693, 21.9632, 96.6667



45.5877, 76.4794, 17.2103

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.



5.9918, 21.9632, 12.5480



41.3693, 21.9632, 96.6667



15.0578, 21.9632, 0.0000

Square

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



41.3693, 21.9632, 96.6667



39.5312, 21.9632, 1.1141



8.5946, 21.9632, 1.6127



9.2659, 21.9632, 105.5191

Rectangle

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



41.3693, 21.9632, 96.6667



50.9396, 21.9632, 16.9011



8.5946, 21.9632, 1.6127



5.8315, 21.9632, 32.6400

Sweetspot

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



41.3703, 21.9640, 96.6668



73.1098, 65.8884, 103.4722



28.2611, 24.5031, 97.8478



15.1521, 13.3531, 22.0288



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.



41.3703, 21.9640, 96.6668



36.7919, 17.4139, 96.0298



56.8492, 30.4375, 75.0827



18.1667, 17.9777, 22.7625



18.2090, 8.2976, 50.0765



1.8892, 0.8678, 4.8812

Inverse Universe

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



46.9699, 26.4857, 23.0589



44.0165, 22.9441, 14.7829



39.8350, 73.3943, 22.3425



18.2604, 18.0875, 19.9885



22.4765, 11.4799, 5.8939



2.2369, 1.1371, 0.8287

Previews

White Background



This preview shows how the XYZ color 41.3693, 21.9632, 96.6667 looks on a white background.

Color Contrast Check

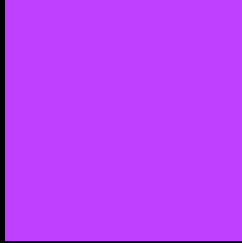
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.3693, 21.9632, 96.6667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

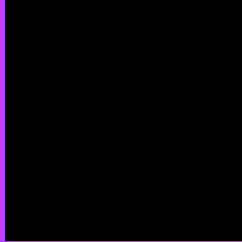
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.3693, 21.9632, 96.6667

Background



This preview shows how black text looks on a background with the XYZ color 41.3693, 21.9632, 96.6667.



This preview shows how white text looks on a background with the XYZ color 41.3693, 21.9632,

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

41.3693, 21.9632, 96.6667

Protanopia

26.3385, 22.3795, 97.5392

Deuteranopia

22.6751, 22.2721, 78.7051



Tritanopia

25.9955, 21.7614, 21.2426

Trichromacy



Original Color

41.3693, 21.9632, 96.6667



Protanomaly

27.7241, 19.4073, 96.8925



Deuteranomaly

23.4401, 18.0719, 84.6909



Tritanomaly

29.7080, 20.5517, 40.4313

Monochromacy



Original Color

41.3693, 21.9632, 96.6667



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

24.4105, 18.7772, 41.3675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3693, 21.9632, 96.6667 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, 64, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 64, 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, 64, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 64, 255) }
```

Border

The CSS property to change the border of an element to XYZ 41.3693, 21.9632, 96.6667 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, 64, 255) }
```


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

```
.border{ border-color:rgb(191, 64, 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, 64, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 64, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 64, 255);  
box-shadow:4px 4px 4px 4px rgb(191, 64,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3693, 21.9632, 96.6667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 64, 255) }
```

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

```
.background{ background-color: rgb(191, 64,  
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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