

Converting Colors

XYZ(50.3016, 35.4313,
120.9585)

Have a look what the booklet for
XYZ(50.3016, 35.4313, 120.9585)
contains.

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Color

**XYZ(46.1739, 33.7669,
98.6918)**

Conversions

Conversions Part 1

Format	Color
Hex	B983FF
RGB	185, 131, 255
RGB Percent	73%, 51%, 100%
CMY	0.2745, 0.4863, 0.0000
CMYK	0.27, 0.49, 0.00, 0.00
HSL	266°, 100%, 76%
HSV	266°, 49%, 100%
XYZ	46.1739, 33.7669, 98.6918
YIQ	161.2820, -7.6200, 50.0120

Conversions

Conversions Part 2

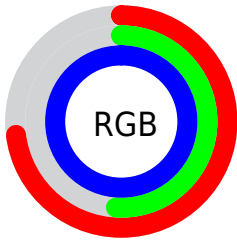
Format	Color
R_{YB}	185, 131, 255
Decimal	12157951
CIE _{Lab}	64.78, 44.88, -54.28
CIE _{LCh}	65, 70.434, 309.583
Yxy	33.7669, 0.2585, 0.1890
Android (android.graphics.Color)	4290348031 (0xFFB983FF)
YUV	161.2820, 46.2030, 20.8007
Hunter-Lab	58.1093, 40.1456, -60.0206

Details

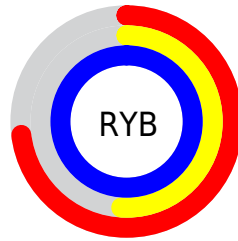
The XYZ color **46.1739, 33.7669, 98.6918** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **63.9443, 85.5763, 34.6215**, and the grayscale version is **33.8029, 35.5633, 38.7284**.

A 20% lighter version of the original color is **72.3611, 60.9726, 102.5628**, and **21.9638, 14.4037, 55.0487** is the 20% darker color. If you saturate the color by 10%, you get **39.8624, 26.0400, 97.5330**, and if you desaturate by 10%, it is **53.6821, 43.3628, 100.1482**.

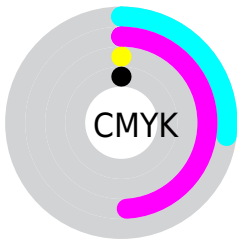
Distribution



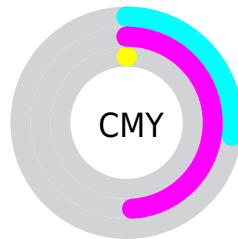
- Red (73%)
- Green (51%)
- Blue (100%)



- Red (73%)
- Yellow (51%)
- Blue (100%)



- Cyan (27%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)





- Cyan (27%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1739, 33.7669, 98.6918 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 46.1739, 33.7669, 98.6918 by changing the saturation by 10% instead.


 46.1739, 33.7669,
98.6918


 46.1739, 33.7669,
98.6918


362.2116,
319.0914, 577.2011


 32.5883, 22.7146,
74.5977


 83.7055, 65.5710,
161.3944

 21.9689, 14.3829,
54.7836


 108.3821, 87.0916,
200.8400

 13.9506, 8.3875,
38.8311


 137.4865,
112.8704, 246.2398

 8.1678, 4.3439,
26.3215

171.3839,
143.2918, 298.0123

 4.2552, 1.8677,
16.8364

210.4398,
178.7402, 356.5762

 1.8475, 0.5289,
9.9572

255.0195,

 0.5460, 0.0000,

219.6000, 422.3499

5.2654

305.4883,
266.2556, 495.7520

■ 0.0000, 0.0000,
2.3423

■ 0.0000, 0.0000,
0.7548

■ 46.1739, 33.7669,
98.6918

■ 46.1739, 33.7669,
98.6918

■ 39.8624, 26.0400,
97.5330

■ 53.6821, 43.3628,
100.1482

■ 34.6706, 20.0470,
96.6499

■ 62.4498, 54.9422,
101.9212

■ 30.5170, 15.6402,
96.0182

■ 72.5395, 68.6146,
104.0284

■ 27.3051, 12.6435,
95.6090

■ 84.0081, 84.4801,
106.4863

■ 24.9018, 10.8087, 95.0500, 100.0000,
95.3816 108.9000

■ 24.6120, 10.6029,
95.3571

Harmonies

Analogous

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



35.4474, 33.7669, 123.7587



46.1739, 33.7669, 98.6918



54.0277, 33.7669, 59.8612

Triad

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



46.1739, 33.7669, 98.6918



39.3800, 33.7669, 5.3518



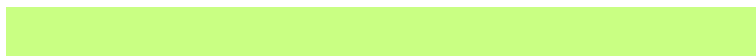
16.4650, 33.7669, 46.8565

Complementary

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



46.1739, 33.7669, 98.6918



63.9443, 85.5763, 34.6215

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.



17.0825, 33.7669, 20.5380



46.1739, 33.7669, 98.6918



28.9599, 33.7669, 4.6324

Square

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



46.1739, 33.7669, 98.6918



49.5678, 33.7669, 11.4461



21.2145, 33.7669, 8.3547



19.3018, 33.7669, 84.9950

Rectangle

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



46.1739, 33.7669, 98.6918



55.7771, 33.7669, 37.1740



21.2145, 33.7669, 8.3547



16.2917, 33.7669, 36.3619

Sweetspot

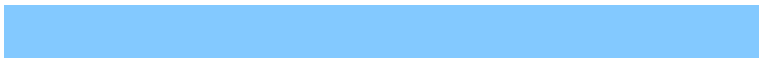
The Sweet Spot groups the original color and five complimentary colors.



46.1751, 33.7681, 98.6920



76.5360, 74.1093, 104.8784



48.3597, 53.9439, 102.4711



15.8798, 15.1711, 22.3413



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.



46.1751, 33.7681, 98.6920



40.2240, 26.4716, 97.5972



64.4306, 43.1792, 99.5463



17.7535, 17.7646, 22.7432



13.0243, 5.6248, 49.8338



1.3907, 0.6109, 4.8579

Inverse Universe

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



59.8993, 41.7105, 60.1521



55.8670, 35.5398, 52.9694



50.5495, 78.6710, 33.9946



18.4389, 18.1589, 20.9285



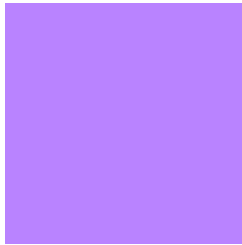
24.2535, 12.1907, 15.2513



2.4164, 1.2089, 1.7740

Previews

White Background



This preview shows how the XYZ color 46.1739, 33.7669, 98.6918 looks on a white background.

Color Contrast Check

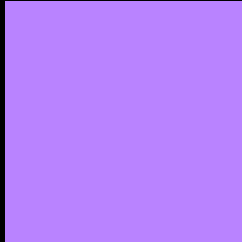
Large Text (above 18pt) WCAG AA × Fail

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 46.1739, 33.7669, 98.6918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

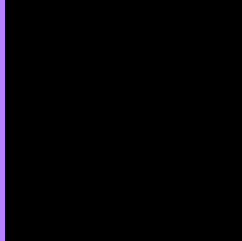
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.1739, 33.7669, 98.6918

Background



This preview shows how black text looks on a background with the XYZ color 46.1739, 33.7669, 98.6918.

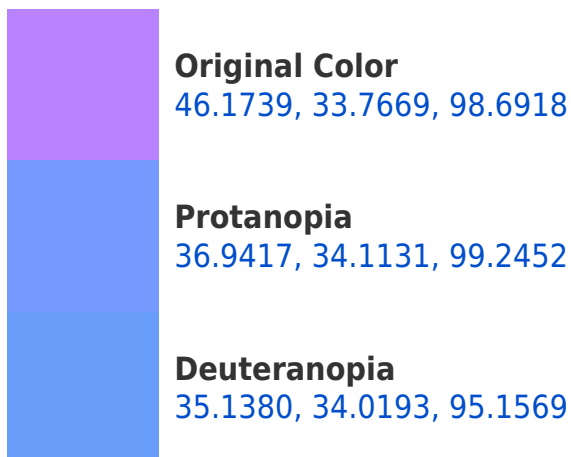


This preview shows how white text looks on a background with the XYZ color 46.1739, 33.7669,

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

34.0775, 33.4616, 39.7846

Trichromacy



Original Color

46.1739, 33.7669, 98.6918

Protanomaly

39.4842, 33.5286, 98.9984

Deuteranomaly

37.9921, 33.2764, 96.5161

Tritanomaly

37.5069, 32.9764, 57.2116

Monochromacy



Original Color

46.1739, 33.7669, 98.6918

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

37.3342, 34.2989, 56.2824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1739, 33.7669, 98.6918 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(185, 131, 255)` looks like.

```
.text, #text, p{  
    color:rgb(185, 131, 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(185, 131, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 131, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.1739, 33.7669, 98.6918 is called "border". The border property can be set on classes, ids or directly on the HTML element.

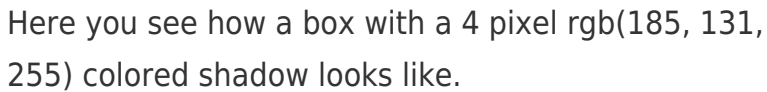
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 131, 255) }
```


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

```
.border{ border-color:rgb(185, 131, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(185, 131, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 131, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 131, 255); box-shadow:4px 4px 4px 4px rgb(185, 131, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1739, 33.7669, 98.6918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 131, 255) }
```

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

```
.background{ background-color: rgb(185,  
131, 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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