

Converting Colors

XYZ(46.2168, 32.9231, 97.7996)

Have a look what the booklet for
XYZ(46.2168, 32.9231, 97.7996)
contains.

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Color

**XYZ(46.0893, 32.7688,
97.6618)**

Conversions

Conversions Part 1

Format	Color
Hex	BC7EFE
RGB	188, 126, 254
RGB Percent	74%, 49%, 100%
CMY	0.2627, 0.5059, 0.0039
CMYK	0.26, 0.50, 0.00, 0.00
HSL	269°, 98%, 75%
HSV	269°, 50%, 100%
XYZ	46.0893, 32.7688, 97.6618
YIQ	159.1300, -4.1360, 52.9520

Conversions

Conversions Part 2

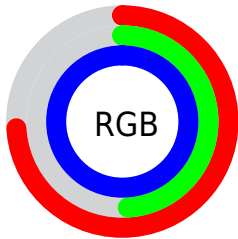
Format	Color
RYB	188, 126, 254
Decimal	12353278
CIELab	63.97, 48.10, -54.99
CIELCh	64, 73.065, 311.177
Yxy	32.7688, 0.2611, 0.1856
Android (android.graphics.Color)	4290543358 (0xFFBC7EFE)
YUV	159.1300, 46.7709, 25.3190
Hunter-Lab	57.2440, 43.5399, -61.0815

Details

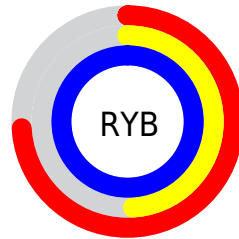
The XYZ color **46.0893, 32.7688, 97.6618** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **60.9465, 83.5970, 32.6633**, and the grayscale version is **32.8094, 34.5181, 37.5902**.

A 20% lighter version of the original color is **72.7290, 59.6367, 102.2855**, and **21.8869, 13.7541, 54.3246** is the 20% darker color. If you saturate the color by 10%, you get **40.1630, 25.4894, 96.5697**, and if you desaturate by 10%, it is **53.1354, 41.8503, 99.0439**.

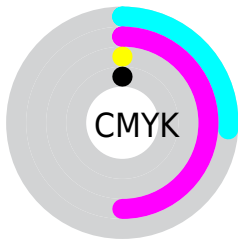
Distribution



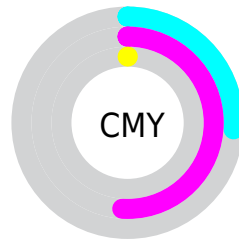
- Red (74%)
- Green (49%)
- Blue (100%)



- Red (74%)
- Yellow (49%)
- Blue (100%)



- Cyan (26%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)





- Cyan (26%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0893, 32.7688, 97.6618 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 46.0893, 32.7688, 97.6618 by changing the saturation by 10% instead.


 46.0893, 32.7688,
97.6618


 46.0893, 32.7688,
97.6618


361.8775,
314.6066, 573.8524


 32.5212, 21.9494,
73.7433


 83.5797, 64.0144,
159.9640

 21.9174, 13.8197,
54.0884


 108.2327, 85.2094,
199.1847

 13.9125, 7.9954,
38.2787


 137.3114,
110.6317, 244.3433

 8.1411, 4.0920,
25.8956

171.1811,
140.6657, 295.8582

 4.2379, 1.7252,
16.5205

210.2072,
175.6958, 354.1480

 1.8376, 0.4399,
9.7349

254.7551,

 0.5402, 0.0000,

216.1064, 419.6313

5.1202

305.1900,
262.2819, 492.7266

■ 0.0000, 0.0000,
2.2580

■ 0.0000, 0.0000,
0.7075

■ 46.0893, 32.7688,
97.6618

■ 46.0893, 32.7688,
97.6618

■ 40.1630, 25.4894,
96.5697

■ 53.1354, 41.8503,
99.0439

■ 35.2811, 19.8770,
95.7437

■ 61.3618, 52.8481,
100.7331

■ 31.3639, 15.7828,
95.1599

■ 70.8289, 65.8709,
102.7478

■ 28.3157, 13.0280,
94.7888

■ 81.5916, 81.0181,
105.1043

■ 26.0628, 11.3693,
94.5874

■ 93.7012, 98.3826,
107.8177

■ 94.8895, 99.9358,
108.0549

Harmonies

Analogous

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



35.1447, 32.7688, 125.2616



46.0893, 32.7688, 97.6618



53.9037, 32.7688, 57.2868

Triad

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



46.0893, 32.7688, 97.6618



37.9826, 32.7688, 4.4184



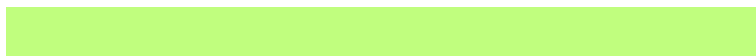
15.4767, 32.7688, 47.8423

Complementary

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



46.0893, 32.7688, 97.6618



60.9465, 83.5970, 32.6633

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.



15.9094, 32.7688, 20.3299



46.0893, 32.7688, 97.6618



27.4623, 32.7688, 3.9497

Square

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



46.0893, 32.7688, 97.6618



48.5570, 32.7688, 9.8494



19.8415, 32.7688, 7.7516



18.4908, 32.7688, 87.5665

Rectangle

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



46.0893, 32.7688, 97.6618



55.4388, 32.7688, 34.5271



19.8415, 32.7688, 7.7516



15.2448, 32.7688, 36.8576

Sweetspot

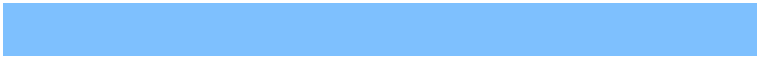
The Sweet Spot groups the original color and five complimentary colors.



46.0906, 32.7701, 97.6626



77.1512, 74.4264, 104.9072



45.3735, 49.3503, 100.9007



16.0275, 15.2473, 22.3482



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.



46.0906, 32.7701, 97.6626



40.7310, 25.9658, 97.4729



65.4476, 42.7490, 98.5685



17.8405, 17.8095, 22.7472



13.9092, 6.0810, 49.8752



1.4798, 0.6568, 4.8620

Inverse Universe

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



57.8490, 39.7992, 54.5025



54.3205, 34.0944, 47.3742



48.1307, 76.9903, 32.0635



18.4004, 18.1435, 20.7258



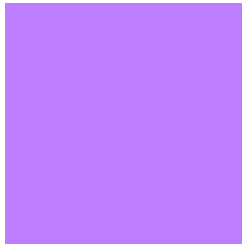
23.7824, 12.0022, 12.7704



2.3708, 1.1907, 1.5342

Previews

White Background



This preview shows how the XYZ color 46.0893, 32.7688, 97.6618 looks on a white background.

Color Contrast Check

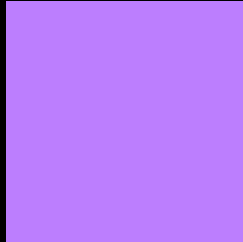
Large Text (above 18pt) WCAG AA × Fail

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 46.0893, 32.7688, 97.6618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

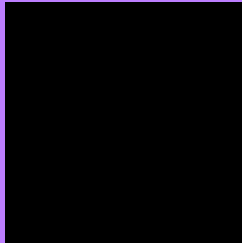
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.0893, 32.7688, 97.6618

Background



This preview shows how black text looks on a background with the XYZ color 46.0893, 32.7688, 97.6618.

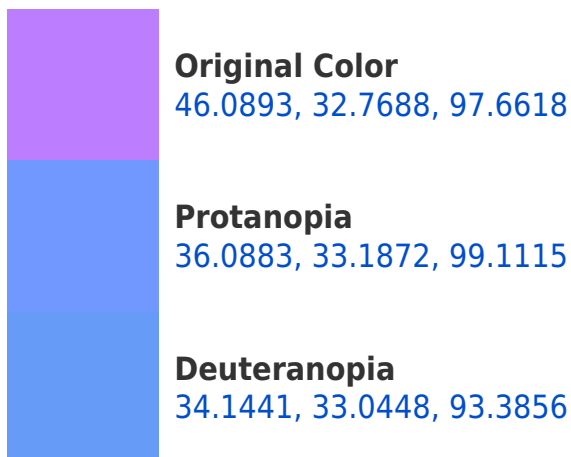


This preview shows how white text looks on a background with the XYZ color 46.0893, 32.7688,

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

33.8872, 32.6909, 37.7816

Trichromacy



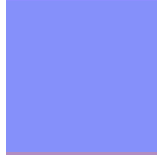
Original Color

46.0893, 32.7688, 97.6618



Protanomaly

38.6877, 32.4404, 98.8303



Deuteranomaly

36.9014, 31.8352, 94.6424



Tritanomaly

37.3939, 32.2919, 55.3010

Monochromacy



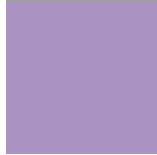
Original Color

46.0893, 32.7688, 97.6618



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

36.7489, 33.3085, 55.5312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0893, 32.7688, 97.6618 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(188, 126, 254)` looks like.

```
.text, #text, p{  
    color:rgb(188, 126, 254)  
}
```

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(188, 126, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 126, 254) }
```

Border

The CSS property to change the border of an element to XYZ 46.0893, 32.7688, 97.6618 is called "border". The border property can be set on classes, ids or directly on the HTML element.

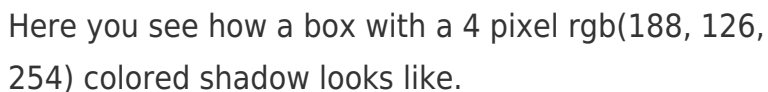
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 126, 254) }
```


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

```
.border{ border-color:rgb(188, 126, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 126, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 126, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 126, 254);  
box-shadow:4px 4px 4px 4px rgb(188, 126,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0893, 32.7688, 97.6618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 126, 254) }
```

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

```
.background{ background-color: rgb(188,  
126, 254) }
```

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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