

Converting Colors

XYZ(69.7844, 41.9466,
223.8009)

Have a look what the booklet for
XYZ(69.7844, 41.9466, 223.8009)
contains.

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Color

**XYZ(46.1227, 32.5786,
98.4651)**

Conversions

Conversions Part 1

Format	Color
Hex	BC7DFF
RGB	188, 125, 255
RGB Percent	74%, 49%, 100%
CMY	0.2627, 0.5098, 0.0000
CMYK	0.26, 0.51, 0.00, 0.00
HSL	269°, 100%, 75%
HSV	269°, 51%, 100%
XYZ	46.1227, 32.5786, 98.4651
YIQ	158.6570, -4.1820, 53.7860

Conversions

Conversions Part 2

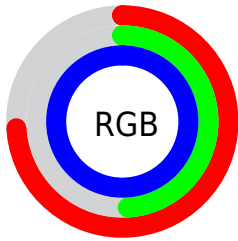
Format	Color
R _Y B	188, 125, 255
Decimal	12353023
CIE Lab	63.82, 48.87, -55.79
CIE LCh	64, 74.165, 311.217
Yxy	32.5786, 0.2603, 0.1839
Android (android.graphics.Color)	4290543103 (0xFFBC7DFF)
YUV	158.6570, 47.4971, 25.7338
Hunter-Lab	57.0777, 44.3544, -62.3272

Details

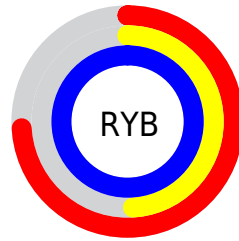
The XYZ color **46.1227, 32.5786, 98.4651** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **61.2000, 84.2072, 32.4311**, and the grayscale version is **32.5910, 34.2883, 37.3399**.

A 20% lighter version of the original color is **72.5279, 59.2344, 102.2185**, and **21.9357, 13.6676, 54.9081** is the 20% darker color. If you saturate the color by 10%, you get **40.2078, 25.3372, 97.3791**, and if you desaturate by 10%, it is **53.1633, 41.6313, 99.8414**.

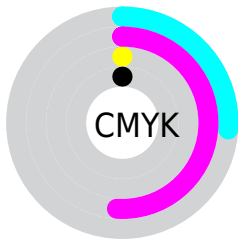
Distribution



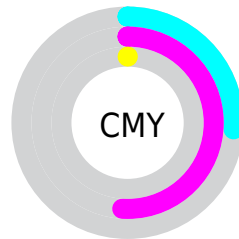
- Red (74%)
- Green (49%)
- Blue (100%)



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



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





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

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1227, 32.5786, 98.4651 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 46.1227, 32.5786, 98.4651 by changing the saturation by 10% instead.

 46.1227, 32.5786,
98.4651


 46.1227, 32.5786,
98.4651

362.0094,
313.7466, 576.4649

 32.5477, 21.8038,
74.4096


 83.6293, 63.7171,
161.0797

 21.9377, 13.7128,
54.6305


 108.2917, 84.8495,
200.4759

 13.9275, 7.9212,
38.7094


 137.3805,
110.2034, 245.8227

 8.1516, 4.0446,
26.2276

171.2612,
140.1629, 297.5386

 4.2447, 1.6985,
16.7667

210.2990,
175.1126, 356.0423

 1.8415, 0.4227,
9.9081

254.8595,

 0.5425, 0.0000,

215.4369, 421.7522

5.2333

305.3078,
261.5201, 495.0869

■ 0.0000, 0.0000,
2.3236

■ 0.0000, 0.0000,
0.7444

■ 46.1227, 32.5786,
98.4651

■ 46.1227, 32.5786,
98.4651

■ 40.2078, 25.3372,
97.3791

■ 53.1633, 41.6313,
99.8414

■ 35.3424, 19.7700,
96.5610

■ 61.3914, 52.6113,
101.5271

■ 31.4451, 15.7252,
95.9857

■ 70.8682, 65.6290,
103.5402

■ 28.4184, 13.0200,
95.6230

■ 81.6493, 80.7852,
105.8975

■ 26.3017, 11.4739,
95.4362

93.7867, 98.1739,
108.6141

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.



35.0259, 32.5786, 126.7060



46.1227, 32.5786, 98.4651



54.0562, 32.5786, 57.3287

Triad

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



46.1227, 32.5786, 98.4651



37.8708, 32.5786, 4.1677



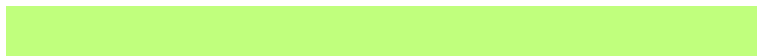
15.1830, 32.5786, 47.8388

Complementary

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



46.1227, 32.5786, 98.4651



61.2000, 84.2072, 32.4311

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.



15.6123, 32.5786, 20.0252



46.1227, 32.5786, 98.4651



27.2307, 32.5786, 3.7152

Square

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



46.1227, 32.5786, 98.4651



48.6031, 32.5786, 9.5141



19.5556, 32.5786, 7.4575



18.2121, 32.5786, 88.2686

Rectangle

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



46.1227, 32.5786, 98.4651



55.6105, 32.5786, 34.2687



19.5556, 32.5786, 7.4575



14.9491, 32.5786, 36.7043

Sweetspot

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



46.1239, 32.5798, 98.4653



77.1543, 74.4280, 104.9073



45.3945, 49.3534, 101.7413



16.0283, 15.2477, 22.3483



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.



46.1239, 32.5798, 98.4653



40.1966, 25.3240, 97.3772



65.8314, 42.7394, 99.3876



17.8409, 17.8097, 22.7473



13.9139, 6.0834, 49.8754



1.4802, 0.6570, 4.8621

Inverse Universe

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



58.0884, 39.7338, 54.4767



53.9437, 33.5488, 46.6075



48.2396, 77.5258, 31.8246



18.4002, 18.1434, 20.7248



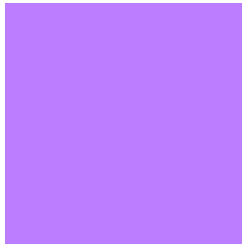
23.7802, 12.0014, 12.7587



2.3706, 1.1906, 1.5331

Previews

White Background



This preview shows how the XYZ color 46.1227, 32.5786, 98.4651 looks on a white background.

Color Contrast Check

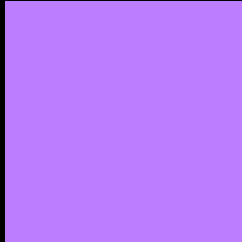
Large Text (above 18pt) WCAG AA × Fail

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 46.1227, 32.5786, 98.4651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

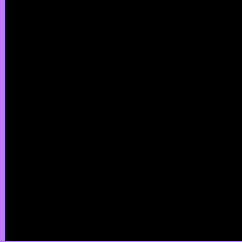
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.1227, 32.5786, 98.4651

Background



This preview shows how black text looks on a background with the XYZ color 46.1227, 32.5786, 98.4651.



This preview shows how white text looks on a background with the XYZ color 46.1227, 32.5786,

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

46.1227, 32.5786, 98.4651

Protanopia

35.7987, 32.7980, 99.0516

Deuteranopia

33.9658, 32.9349, 94.1894



Tritanopia

33.7297, 32.3758, 37.7291

Trichromacy



Original Color

46.1227, 32.5786, 98.4651



Protanomaly

38.5382, 32.1415, 98.7805



Deuteranomaly

36.7459, 31.7368, 95.4559



Tritanomaly

37.3599, 32.0434, 55.8457

Monochromacy



Original Color

46.1227, 32.5786, 98.4651



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 46.1227, 32.5786, 98.4651 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, 125, 255)` looks like.

```
.text, #text, p{  
    color:rgb(188, 125, 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(188, 125, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 125, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.1227, 32.5786, 98.4651 is called "border". The border property can be set on classes, ids or directly on the HTML element.

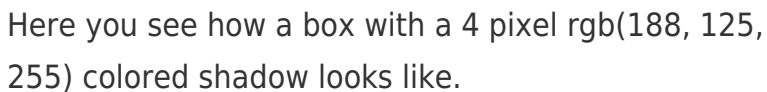
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 125, 255) }
```


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

```
.border{ border-color:rgb(188, 125, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 125, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 125, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 125, 255);  
box-shadow:4px 4px 4px 4px rgb(188, 125,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1227, 32.5786, 98.4651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 125, 255) }
```

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

```
.background{ background-color: rgb(188,  
125, 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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