

# Converting Colors

XYZ(42.2012, 27.3570, 97.6523)

Have a look what the booklet for  
XYZ(42.2012, 27.3570, 97.6523)  
contains.

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# Color

**XYZ(42.2601, 27.3518,  
97.6598)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B56AFF
RGB	181, 106, 255
RGB Percent	71%, 42%, 100%
CMY	0.2902, 0.5843, 0.0000
CMYK	0.29, 0.58, 0.00, 0.00
HSL	270°, 100%, 71%
HSV	270°, 58%, 100%
XYZ	42.2601, 27.3518, 97.6598
YIQ	145.4110, -3.1290, 62.2390

# Conversions

## Conversions Part 2

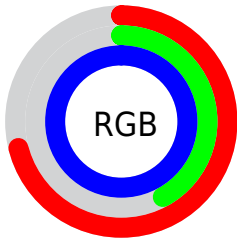
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">181, 106, 255</a>
Decimal	<a href="#">11889407</a>
CIELab	<a href="#">59.30, 57.06, -63.05</a>
CIELCh	<a href="#">59, 85.038, 312.144</a>
Yxy	<a href="#">27.3518, 0.2526, 0.1635</a>
Android (android.graphics.Color)	<a href="#">4290079487 (0xFFB56AFF)</a>
YUV	<a href="#">145.4110, 54.0274, 31.2116</a>
Hunter-Lab	<a href="#">52.2989, 52.7135, -74.1052</a>

# Details

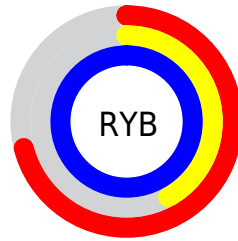
The XYZ color **42.2601, 27.3518, 97.6598** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **57.1838, 82.2638, 26.5010**, and the grayscale version is **26.8697, 28.2690, 30.7849**.

A 20% lighter version of the original color is **66.5560, 50.8869, 100.9220**, and **19.5195, 10.7884, 53.8769** is the 20% darker color. If you saturate the color by 10%, you get **37.1764, 21.3933, 96.7777**, and if you desaturate by 10%, it is **48.3969, 35.0133, 98.8152**.

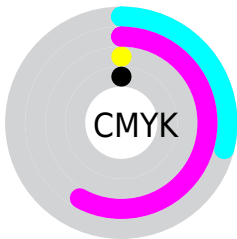
# Distribution



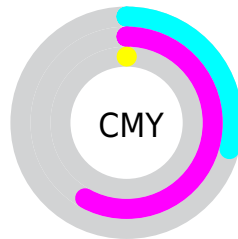
- Red (71%)
- Green (42%)
- Blue (100%)



- Red (71%)
- Yellow (42%)
- Blue (100%)



- Cyan (29%)
- Magenta (58%)
- Yellow (0%)
- Black (0%)




- Cyan (29%)
- Magenta (58%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2601, 27.3518, 97.6598 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 42.2601, 27.3518, 97.6598 by changing the saturation by 10% instead.




 42.2601, 27.3518,  
97.6598


 42.2601, 27.3518,  
97.6598


346.5333,  
289.3565, 573.8459


 29.4970, 17.8376,  
73.7416


 77.8558, 55.4479,  
159.9612


 19.6033, 10.8335,  
54.0871


 101.4192, 74.7986,  
199.1815

 12.2136, 5.9550,  
38.2776


 129.3133, 98.1969,  
244.3396

 6.9625, 2.8177,  
25.8947

 161.9036,  
126.0272, 295.8540

 3.4848, 1.0373,  
16.5199

199.5554,  
158.6739, 354.1433

 1.4150, 0.0000,  
9.7344

242.6340,

 0.2669, 0.0000,

196.5214, 419.6260

5.1199

291.5049,  
239.9541, 492.7207

■ 0.0000, 0.0000,  
2.2578

■ 0.0000, 0.0000,  
0.7075

■ 42.2601, 27.3518,  
97.6598

■ 42.2601, 27.3518,  
97.6598

■ 37.1764, 21.3933,  
96.7777

■ 48.3969, 35.0133,  
98.8152

■ 33.0639, 16.9882,  
96.1441

■ 55.6532, 44.5041,  
100.2647

■ 29.8315, 13.9642,  
95.7308

■ 64.0932, 55.9415,  
102.0275

■ 27.3527, 12.0802,  
95.4978

■ 73.7748, 69.4319,  
104.1211

■ 27.0063, 11.8371,  
95.4691

■ 84.7521, 85.0738,  
106.5617

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.



30.5370, 27.3518, 131.4513



42.2601, 27.3518, 97.6598



50.7008, 27.3518, 51.5716

# Triad

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



42.2601, 27.3518, 97.6598



32.7797, 27.3518, 1.5899



10.7001, 27.3518, 43.8668

# Complementary

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



42.2601, 27.3518, 97.6598



57.1838, 82.2638, 26.5010

# 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.



10.9945, 27.3518, 15.1996



42.2601, 27.3518, 97.6598



21.9310, 27.3518, 1.3853

# Square

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



42.2601, 27.3518, 97.6598



44.2824, 27.3518, 5.2438



14.5551, 27.3518, 4.0519



13.5986, 27.3518, 88.8368



# Rectangle

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



42.2601, 27.3518, 97.6598



52.2301, 27.3518, 27.6456



14.5551, 27.3518, 4.0519



10.4569, 27.3518, 32.0246

# Sweetspot

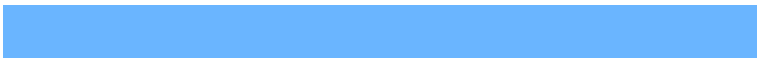
The Sweet Spot groups the original color and five complimentary colors.



42.2612, 27.3528, 97.6599



74.2202, 70.0601, 104.2189



40.4168, 43.1296, 100.8024



15.2516, 14.1032, 22.1683



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.



42.2612, 27.3528, 97.6599



36.4688, 20.6031, 96.6624



64.4443, 38.7886, 98.6981



17.8744, 17.8270, 22.7488



14.2838, 6.2741, 49.8928



1.5168, 0.6758, 4.8638



# Inverse Universe

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



54.6324, 34.8638, 47.0294



50.6641, 29.2201, 38.6378



44.3058, 75.6250, 25.8983



18.3855, 18.1375, 20.6474



23.6135, 11.9347, 11.8808

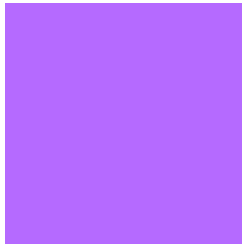


2.3542, 1.1841, 1.4469



# Previews

## White Background



This preview shows how the XYZ color 42.2601, 27.3518, 97.6598 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

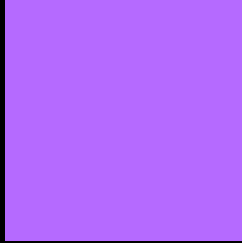
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 42.2601, 27.3518, 97.6598 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

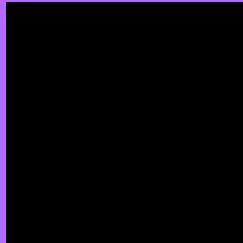
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 42.2601, 27.3518, 97.6598**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.2601, 27.3518, 97.6598.



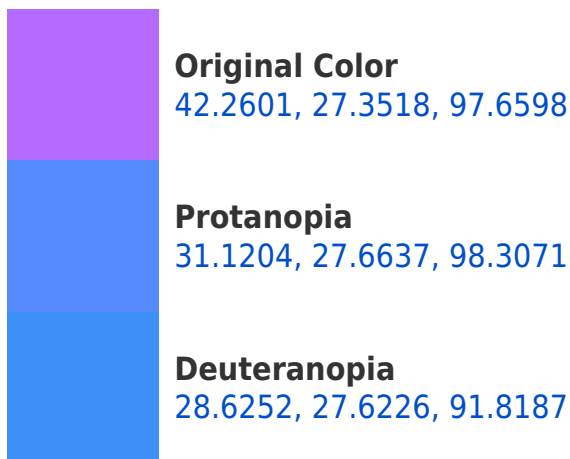
This preview shows how white text looks on a background with the XYZ color 42.2601, 27.3518,



# 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

28.6904, 27.2607, 30.9438

# Trichromacy



## Original Color

42.2601, 27.3518, 97.6598



## Protanomaly

33.5245, 26.4637, 97.9488



## Deuteranomaly

30.9469, 25.8104, 93.7933



## Tritanomaly

32.3450, 26.5372, 49.8718

# Monochromacy



## Original Color

42.2601, 27.3518, 97.6598



## Achromatopsia

26.9133, 28.3149, 30.8349



## Achromatomaly

30.9738, 27.0045, 49.4788

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.2601, 27.3518, 97.6598 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(181, 106, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 106, 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(181, 106, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 106, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 42.2601, 27.3518, 97.6598 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".

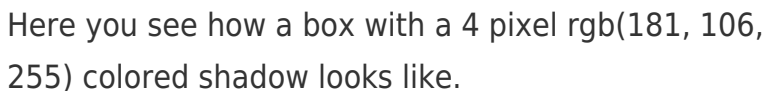
```
.border, #border, table{ border:4px solid rgb(181, 106, 255) }
```



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

```
.border{ border-color:rgb(181, 106, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(181, 106, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 106, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 106, 255); box-shadow:4px 4px 4px 4px rgb(181, 106, 255) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.2601, 27.3518, 97.6598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 106, 255) }
```

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

```
.background{ background-color: rgb(181,  
106, 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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