

Converting Colors

XYZ(42.6357, 27.0571, 97.0320)

Have a look what the booklet for
XYZ(42.6357, 27.0571, 97.0320)
contains.

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Color

**XYZ(42.5068, 27.0466,
96.7461)**

Conversions

Conversions Part 1

Format	Color
Hex	B867FE
RGB	184, 103, 254
RGB Percent	72%, 40%, 100%
CMY	0.2784, 0.5961, 0.0039
CMYK	0.28, 0.59, 0.00, 0.00
HSL	272°, 99%, 70%
HSV	272°, 59%, 100%
XYZ	42.5068, 27.0466, 96.7461
YIQ	144.4330, -0.1950, 64.1330

Conversions

Conversions Part 2

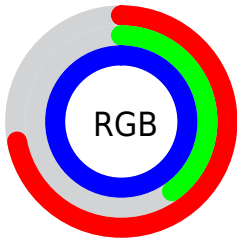
Format	Color
RYB	184, 103, 254
Decimal	12085246
CIELab	59.02, 59.01, -62.93
CIELCh	59, 86.274, 313.158
Yxy	27.0466, 0.2556, 0.1626
Android (android.graphics.Color)	4290275326 (0xFFB867FE)
YUV	144.4330, 54.0165, 34.7003
Hunter-Lab	52.0063, 54.8839, -73.8913

Details

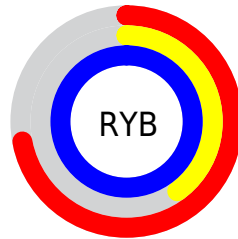
The XYZ color **42.5068, 27.0466, 96.7461** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **55.1240, 80.7476, 25.5132**, and the grayscale version is **26.4738, 27.8525, 30.3314**.

A 20% lighter version of the original color is **67.0691, 50.3886, 100.7988**, and **19.6663, 10.6178, 53.2375** is the 20% darker color. If you saturate the color by 10%, you get **37.6492, 21.3449, 95.9021**, and if you desaturate by 10%, it is **48.3685, 34.4055, 97.8581**.

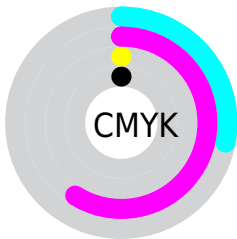
Distribution



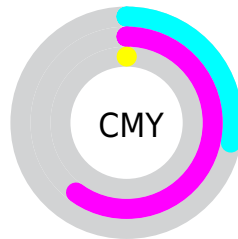
- Red (72%)
- Green (40%)
- Blue (100%)



- Red (72%)
- Yellow (40%)
- Blue (100%)



- Cyan (28%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)





- Cyan (28%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5068, 27.0466, 96.7461 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 42.5068, 27.0466, 96.7461 by changing the saturation by 10% instead.


 42.5068, 27.0466,
96.7461


 42.5068, 27.0466,
96.7461


347.5355,
287.8827, 570.8665


 29.6912, 17.6082,
72.9842


 78.2264, 54.9586,
158.6910

 19.7512, 10.6691,
53.4713


 101.8612, 74.2011,
197.7111

 12.3215, 5.8448,
37.7889


 129.8330, 97.4803,
242.6543

 7.0368, 2.7509,
25.5183

 162.5072,
125.1808, 293.9392

 3.5317, 1.0031,
16.2411

200.2492,
157.6869, 351.9843

 1.4408, 0.0000,
9.5387

243.4244,

 0.2850, 0.0000,

195.3830, 417.2082

4.9926

292.3980,
238.6534, 490.0294

■ 0.0000, 0.0000,
2.1843

■ 0.0000, 0.0000,
0.6653

■ 42.5068, 27.0466,
96.7461

■ 42.5068, 27.0466,
96.7461

■ 37.6492, 21.3449,
95.9021

■ 48.3685, 34.4055,
97.8581

■ 33.7147, 17.1504,
95.2998

■ 55.2994, 43.5471,
99.2573

■ 30.6129, 14.2901,
94.9112

■ 63.3622, 54.5883,
100.9635

■ 28.2056, 12.4966,
94.6919

■ 72.6138, 67.6346,
102.9941

■ 28.0842, 12.4114,
94.6819

■ 83.1066, 82.7839,
105.3651

94.7611, 99.8696,
108.0488

94.8895, 99.9358,
108.0548

Harmonies

Analogous

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



30.6814, 27.0466, 132.1729



42.5068, 27.0466, 96.7461



50.8586, 27.0466, 50.0351

Triad

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



42.5068, 27.0466, 96.7461



32.1414, 27.0466, 1.3922



10.4253, 27.0466, 45.0043

Complementary

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



42.5068, 27.0466, 96.7461



55.1240, 80.7476, 25.5132

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.



10.6139, 27.0466, 15.4624



42.5068, 27.0466, 96.7461



21.3016, 27.0466, 1.2679

Square

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



42.5068, 27.0466, 96.7461



43.8280, 27.0466, 4.7342



14.0446, 27.0466, 3.9857



13.4288, 27.0466, 90.9470

Rectangle

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



42.5068, 27.0466, 96.7461



52.2120, 27.0466, 26.3202



14.0446, 27.0466, 3.9857



10.1489, 27.0466, 32.8167

Sweetspot

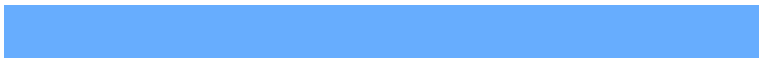
The Sweet Spot groups the original color and five complimentary colors.



42.5080, 27.0476, 96.7467



74.7156, 70.3155, 104.2420



38.5169, 40.1067, 99.4777



15.3723, 14.1654, 22.1739



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.



42.5080, 27.0476, 96.7467



37.3056, 20.7768, 96.6518



62.8176, 37.6095, 93.5443



17.9337, 17.8576, 22.7516



14.9785, 6.6322, 49.9253



1.5845, 0.7108, 4.8670

Inverse Universe

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



53.2667, 33.7892, 43.2498



49.8465, 28.6153, 35.1891



43.7446, 74.8512, 26.3396



18.3597, 18.1272, 20.5114



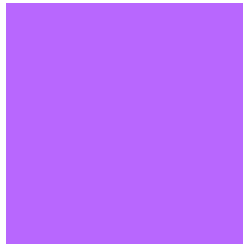
23.3376, 11.8243, 10.4281



2.3268, 1.1731, 1.3023

Previews

White Background



This preview shows how the XYZ color 42.5068, 27.0466, 96.7461 looks on a white background.

Color Contrast Check

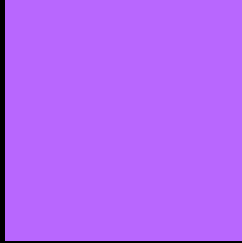
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.5068, 27.0466, 96.7461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

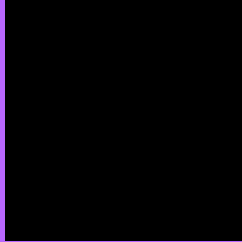
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.5068, 27.0466, 96.7461

Background



This preview shows how black text looks on a background with the XYZ color 42.5068, 27.0466, 96.7461.

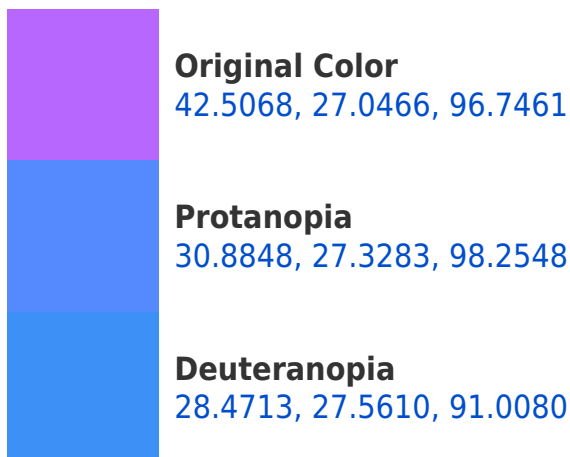


This preview shows how white text looks on a background with the XYZ color 42.5068, 27.0466,

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

29.0762, 27.0631, 30.0768

Trichromacy



Original Color

42.5068, 27.0466, 96.7461



Protanomaly

33.2688, 25.9522, 97.8636



Deuteranomaly

30.7748, 25.5433, 92.9309



Tritanomaly

32.7479, 26.3973, 48.7166

Monochromacy



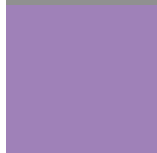
Original Color

42.5068, 27.0466, 96.7461



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

30.8001, 26.5321, 48.8453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5068, 27.0466, 96.7461 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(184, 103, 254)` looks like.

```
.text, #text, p{  
    color:rgb(184, 103, 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(184, 103, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 103, 254) }
```

Border

The CSS property to change the border of an element to XYZ 42.5068, 27.0466, 96.7461 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(184, 103, 254) }
```


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

```
.border{ border-color:rgb(184, 103, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 103, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 103, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 103, 254);  
box-shadow:4px 4px 4px 4px rgb(184, 103,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5068, 27.0466, 96.7461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 103, 254) }
```

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

```
.background{ background-color: rgb(184,  
103, 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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