

Converting Colors

XYZ(42.3912, 27.5925, 97.6994)

Have a look what the booklet for
XYZ(42.3912, 27.5925, 97.6994)
contains.

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Color

**XYZ(42.3638, 27.5591,
97.6944)**

Conversions

Conversions Part 1

Format	Color
Hex	B56BFF
RGB	181, 107, 255
RGB Percent	71%, 42%, 100%
CMY	0.2902, 0.5804, 0.0000
CMYK	0.29, 0.58, 0.00, 0.00
HSL	270°, 100%, 71%
HSV	270°, 58%, 100%
XYZ	42.3638, 27.5591, 97.6944
YIQ	145.9980, -3.4040, 61.7160

Conversions

Conversions Part 2

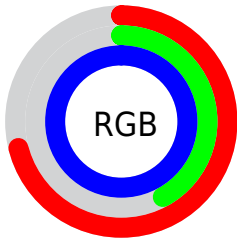
Format	Color
RYB	181, 107, 255
Decimal	11889663
CIELab	59.49, 56.55, -62.75
CIElCh	59, 84.473, 312.028
Yxy	27.5591, 0.2527, 0.1644
Android (android.graphics.Color)	4290079743 (0xFFB56BFF)
YUV	145.9980, 53.7380, 30.6968
Hunter-Lab	52.4968, 52.1765, -73.5886

Details

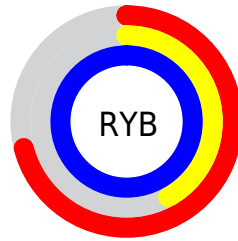
The XYZ color **42.3638, 27.5591, 97.6944** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **57.4697, 82.4052, 26.7874**, and the grayscale version is **27.1097, 28.5215, 31.0599**.

A 20% lighter version of the original color is **66.7300, 51.2350, 100.9800**, and **19.5656, 10.8805, 53.8923** is the 20% darker color. If you saturate the color by 10%, you get **37.2325, 21.5326, 96.8016**, and if you desaturate by 10%, it is **48.5544, 35.2958, 98.8614**.

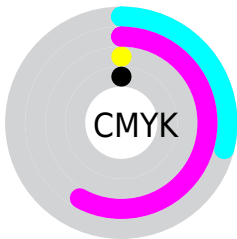
Distribution



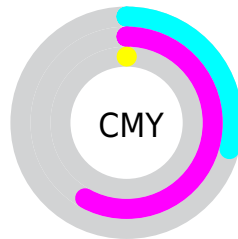
- Red (71%)
- Green (42%)
- Blue (100%)



- 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 42.3638, 27.5591, 97.6944 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 42.3638, 27.5591, 97.6944 by changing the saturation by 10% instead.


 42.3638, 27.5591,
97.6944


 42.3638, 27.5591,
97.6944

346.9548,
290.3541, 573.9585

 29.5786, 17.9936,
73.7703


 78.0116, 55.7798,
160.0093


 19.6654, 10.9454,
54.1104


 101.6050, 75.2037,
199.2371

 12.2589, 6.0301,
38.2962


 129.5318, 98.6825,
244.4034

 6.9937, 2.8634,
25.9090

 162.1574,
126.6006, 295.9265

 3.5045, 1.0608,
16.5304

199.8472,
159.3424, 354.2250

 1.4258, 0.0000,
9.7419

242.9664,

 0.2745, 0.0000,

197.2924, 419.7175

5.1248

291.8805,
240.8348, 492.8225

■ 0.0000, 0.0000,
2.2606

■ 0.0000, 0.0000,
0.7090

■ 42.3638, 27.5591,
97.6944

■ 42.3638, 27.5591,
97.6944

■ 37.2325, 21.5326,
96.8016

■ 48.5544, 35.2958,
98.8614

■ 33.0789, 17.0672,
96.1586

■ 55.8707, 44.8684,
100.3235

■ 29.8124, 13.9920,
95.7372

■ 64.3767, 56.3938,
102.0998

■ 27.3111, 12.0749,
95.4990

■ 74.1304, 69.9782,
104.2078

■ 26.8777, 11.7709,
95.4631

■ 85.1856, 85.7199,
106.6636

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.



30.6795, 27.5591, 131.1008



42.3638, 27.5591, 97.6944



50.7862, 27.5591, 51.8864

Triad

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



42.3638, 27.5591, 97.6944



33.0066, 27.5591, 1.6811



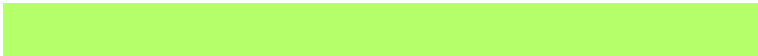
10.8786, 27.5591, 43.9034

Complementary

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



42.3638, 27.5591, 97.6944



57.4697, 82.4052, 26.7874

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.



11.1862, 27.5591, 15.3486



42.3638, 27.5591, 97.6944



22.1687, 27.5591, 1.4618

Square

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



42.3638, 27.5591, 97.6944



44.4586, 27.5591, 5.4259



14.7722, 27.5591, 4.1680



13.7744, 27.5591, 88.5820

Rectangle

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



42.3638, 27.5591, 97.6944



52.3295, 27.5591, 27.9869



14.7722, 27.5591, 4.1680



10.6382, 27.5591, 32.1224

Sweetspot

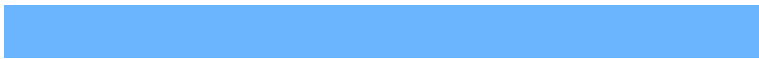
The Sweet Spot groups the original color and five complimentary colors.



42.3649, 27.5601, 97.6945



75.2168, 71.5107, 104.4463



40.6378, 43.3942, 100.8418



15.6523, 14.6761, 22.2577



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.



42.3649, 27.5601, 97.6945



36.3432, 20.5384, 96.6565



64.5479, 38.9959, 98.7326



17.8684, 17.8239, 22.7485



14.2164, 6.2393, 49.8896



1.5101, 0.6724, 4.8635

Inverse Universe

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



54.8383, 35.1120, 47.6022



50.7187, 29.2419, 38.9258



44.4776, 75.7075, 26.1793



18.3882, 18.1386, 20.6612



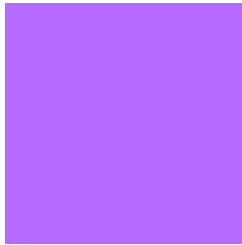
23.6427, 11.9464, 12.0350



2.3571, 1.1852, 1.4621

Previews

White Background



This preview shows how the XYZ color 42.3638, 27.5591, 97.6944 looks on a white background.

Color Contrast Check

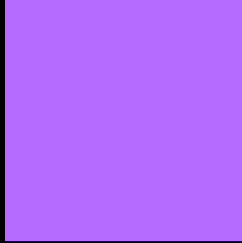
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.3638, 27.5591, 97.6944 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 42.3638, 27.5591, 97.6944

Background



This preview shows how black text looks on a background with the XYZ color 42.3638, 27.5591, 97.6944.

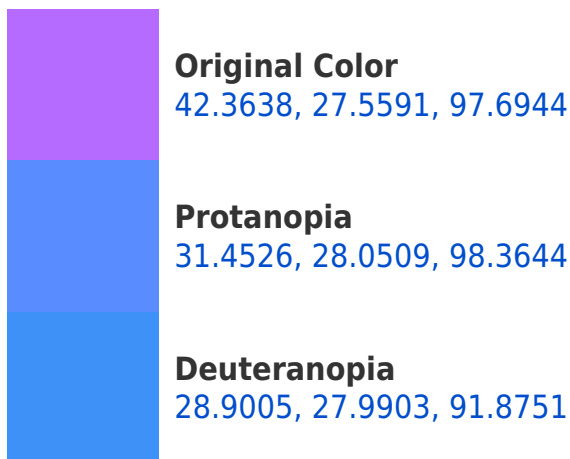


This preview shows how white text looks on a background with the XYZ color 42.3638, 27.5591,

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

28.7686, 27.2920, 31.3554

Trichromacy



Original Color

42.3638, 27.5591, 97.6944



Protanomaly

33.7952, 26.7959, 97.9987



Deuteranomaly

31.1973, 26.1380, 93.8433



Tritanomaly

32.3450, 26.5372, 49.8718

Monochromacy



Original Color

42.3638, 27.5591, 97.6944



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

31.4123, 27.4186, 50.0911

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3638, 27.5591, 97.6944 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, 107, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 107, 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, 107, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 107, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.3638, 27.5591, 97.6944 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, 107, 255) }
```


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

```
.border{ border-color:rgb(181, 107, 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, 107, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 107, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 107, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 107,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3638, 27.5591, 97.6944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 107, 255) }
```

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

```
.background{ background-color: rgb(181,  
107, 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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