

Converting Colors

XYZ(42.0852, 28.7116, 97.9315)

Have a look what the booklet for
XYZ(42.0852, 28.7116, 97.9315)
contains.

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Color

**XYZ(42.0852, 28.7116,
97.9315)**

Conversions

Conversions Part 1

Format	Color
Hex	B073FF
RGB	176, 115, 255
RGB Percent	69%, 45%, 100%
CMY	0.3098, 0.5490, 0.0000
CMYK	0.31, 0.55, 0.00, 0.00
HSL	266°, 100%, 73%
HSV	266°, 55%, 100%
XYZ	42.0852, 28.7116, 97.9315
YIQ	149.1990, -8.5840, 56.4720

Conversions

Conversions Part 2

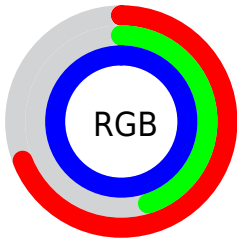
Format	Color
R_{YB}	176, 115, 255
Decimal	11564031
CIE _{Lab}	60.53, 51.24, -61.11
CIE _{LCh}	61, 79.753, 309.978
Yxy	28.7116, 0.2494, 0.1702
Android (android.graphics.Color)	4289754111 (0xFFB073FF)
YUV	149.1990, 52.1599, 23.5045
Hunter-Lab	53.5832, 46.4265, -70.8533

Details

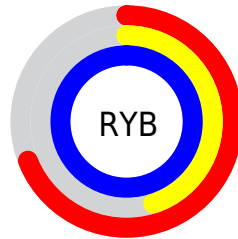
The XYZ color **42.0852, 28.7116, 97.9315** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **61.1027, 84.2271, 29.2575**, and the grayscale version is **28.4418, 29.9230, 32.5861**.

A 20% lighter version of the original color is **66.4989, 53.2581, 101.3827**, and **19.5192, 11.6199, 54.0374** is the 20% darker color. If you saturate the color by 10%, you get **36.4864, 22.0898, 96.9485**, and if you desaturate by 10%, it is **48.8351, 37.1212, 99.1990**.

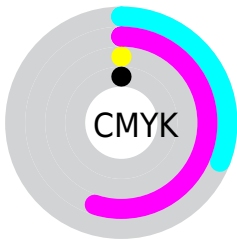
Distribution



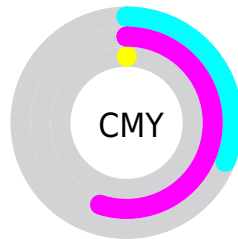
- Red (69%)
- Green (45%)
- Blue (100%)



- Red (69%)
- Yellow (45%)
- Blue (100%)



- Cyan (31%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)





- Cyan (31%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0852, 28.7116, 97.9315 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 42.0852, 28.7116, 97.9315 by changing the saturation by 10% instead.


 42.0852, 28.7116,
97.9315


 42.0852, 28.7116,
97.9315


345.8216,
295.8518, 574.7302

 29.3594, 18.8628,
73.9669


 77.5929, 57.6186,
160.3387

 19.4985, 11.5712,
54.2704


 101.1055, 77.4455,
199.6184

 12.1372, 6.4524,
38.4232


 128.9445,
101.3672, 244.8402

 6.9100, 3.1221,
26.0069

161.4751,
129.7681, 296.4227

 3.4517, 1.1958,
16.6030

199.0628,
163.0326, 354.7844

 1.3969, 0.0583,
9.7929

242.0729,

 0.2540, 0.0000,

201.5452, 420.3439

5.1581

290.8707,
245.6901, 493.5196

■ 0.0000, 0.0000,
2.2799

■ 0.0000, 0.0000,
0.7199

■ 42.0852, 28.7116,
97.9315

■ 42.0852, 28.7116,
97.9315

■ 36.4864, 22.0898,
96.9485

■ 48.8351, 37.1212,
99.1990

■ 31.9566, 17.1110,
96.2262

■ 56.8033, 47.4415,
100.7710

■ 28.4064, 13.6118,
95.7379

■ 66.0553, 59.7878,
102.6665

■ 25.7261, 11.3909,
95.4505

■ 76.6507, 74.2651,
104.9024

■ 24.6194, 10.6067,
95.3574

■ 88.6451, 90.9710,
107.4948

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.



30.8649, 28.7116, 126.9282



42.0852, 28.7116, 97.9315



50.4325, 28.7116, 54.9659

Triad

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



42.0852, 28.7116, 97.9315



34.6434, 28.7116, 2.5217



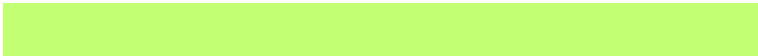
12.0682, 28.7116, 42.1491

Complementary

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



42.0852, 28.7116, 97.9315



61.1027, 84.2271, 29.2575

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.



12.5964, 28.7116, 15.5922



42.0852, 28.7116, 97.9315



24.0015, 28.7116, 2.0719

Square

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



42.0852, 28.7116, 97.9315



45.4418, 28.7116, 7.1533



16.4451, 28.7116, 4.8358



14.7579, 28.7116, 83.6610

Rectangle

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



42.0852, 28.7116, 97.9315



52.2557, 28.7116, 31.2840



16.4451, 28.7116, 4.8358



11.8953, 28.7116, 31.2401

Sweetspot

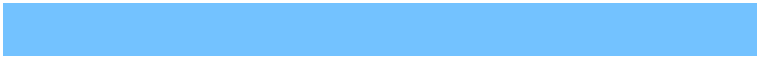
The Sweet Spot groups the original color and five complimentary colors.



42.0863, 28.7126, 97.9316



75.4187, 72.5665, 104.6395



44.4869, 49.5977, 101.8363



15.6585, 14.8667, 22.2942



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.



42.0863, 28.7126, 97.9316



35.9377, 21.4649, 96.8567



62.0703, 39.0148, 98.8669



17.7539, 17.7649, 22.7432



13.0282, 5.6268, 49.8340



1.3911, 0.6111, 4.8579

Inverse Universe

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



57.1086, 37.4171, 55.2510



53.0331, 31.3916, 47.3399



47.2155, 77.0680, 28.6076



18.4387, 18.1588, 20.9275



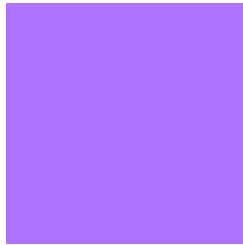
24.2512, 12.1898, 15.2390



2.4161, 1.2088, 1.7728

Previews

White Background



This preview shows how the XYZ color 42.0852, 28.7116, 97.9315 looks on a white background.

Color Contrast Check

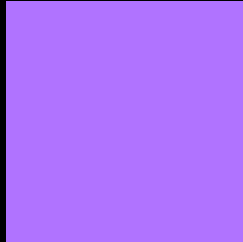
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.0852, 28.7116, 97.9315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

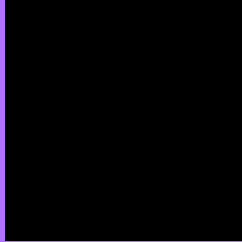
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.0852, 28.7116, 97.9315

Background



This preview shows how black text looks on a background with the XYZ color 42.0852, 28.7116, 97.9315.



This preview shows how white text looks on a background with the XYZ color 42.0852, 28.7116,

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

42.0852, 28.7116, 97.9315

Protanopia

32.3391, 28.9457, 98.4904

Deuteranopia

29.9755, 28.9843, 92.8216



Tritanopia

28.9849, 28.4176, 34.0945

Trichromacy



Original Color

42.0852, 28.7116, 97.9315

Protanomaly

34.6134, 28.0076, 98.1894

Deuteranomaly

32.3832, 27.5442, 94.8766

Tritanomaly

32.6498, 28.0068, 52.4002

Monochromacy



Original Color

42.0852, 28.7116, 97.9315

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

32.3208, 28.8931, 51.4504

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0852, 28.7116, 97.9315 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(176, 115, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 115, 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(176, 115, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 115, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.0852, 28.7116, 97.9315 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(176, 115, 255) }
```


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

```
.border{ border-color:rgb(176, 115, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 115, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 115, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 115, 255);  
box-shadow:4px 4px 4px 4px rgb(176, 115,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0852, 28.7116, 97.9315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 115, 255) }
```

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

```
.background{ background-color: rgb(176,  
115, 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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