

Converting Colors

XYZ(42.6389, 29.0736, 97.9722)

Have a look what the booklet for
XYZ(42.6389, 29.0736, 97.9722)
contains.

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Color

**XYZ(42.5408, 28.9464,
97.9528)**

Conversions

Conversions Part 1

Format	Color
Hex	B273FF
RGB	178, 115, 255
RGB Percent	70%, 45%, 100%
CMY	0.3019, 0.5490, 0.0000
CMYK	0.30, 0.55, 0.00, 0.00
HSL	267°, 100%, 73%
HSV	267°, 55%, 100%
XYZ	42.5408, 28.9464, 97.9528
YIQ	149.7970, -7.3920, 56.8960

Conversions

Conversions Part 2

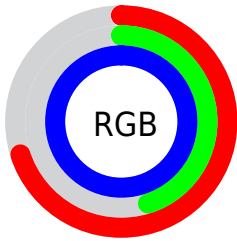
Format	Color
R_YB	178, 115, 255
Decimal	11695103
CIE _{Lab}	60.73, 51.71, -60.77
CIE _{LCh}	61, 79.796, 310.397
Yxy	28.9464, 0.2511, 0.1708
Android (android.graphics.Color)	4289885183 (0xFFB273FF)
YUV	149.7970, 51.8651, 24.7340
Hunter-Lab	53.8019, 46.9856, -70.2833

Details

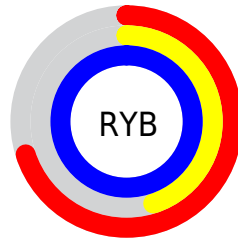
The XYZ color **42.5408, 28.9464, 97.9528** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **60.5927, 83.9642, 29.2336**, and the grayscale version is **28.6941, 30.1884, 32.8752**.

A 20% lighter version of the original color is **67.1630, 53.6005, 101.4138**, and **19.7407, 11.6512, 54.0318** is the 20% darker color. If you saturate the color by 10%, you get **36.9698, 22.3389, 96.9711**, and if you desaturate by 10%, it is **49.2470, 37.3335, 99.2182**.

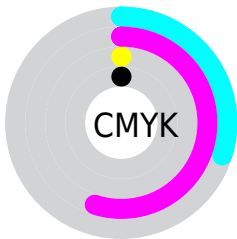
Distribution



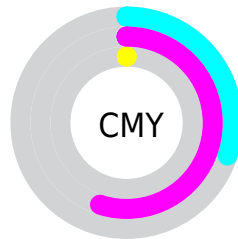
- Red (70%)
- Green (45%)
- Blue (100%)



- Red (70%)
- Yellow (45%)
- Blue (100%)



- Cyan (30%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5408, 28.9464, 97.9528 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 42.5408, 28.9464, 97.9528 by changing the saturation by 10% instead.

42.5408, 28.9464,
97.9528

42.5408, 28.9464,
97.9528

347.6735,
296.9620, 574.7995

29.7179, 19.0403,
73.9846

78.2775, 57.9919,
160.3683

19.7716, 11.6994,
54.2847

101.9220, 77.9001,
199.6526

12.3364, 6.5393,
38.4346

129.9045,
101.9111, 244.8794

7.0471, 3.1757,
26.0157

162.5903,
130.4093, 296.4673

3.5381, 1.2241,
16.6095

200.3447,
163.7791, 354.8347

1.4443, 0.0813,
9.7975

243.5332,

0.2875, 0.0000,

202.4049, 420.4001

5.1611

292.5210,
246.6710, 493.5822

■ 0.0000, 0.0000,
2.2817

■ 0.0000, 0.0000,
0.7209

■ 42.5408, 28.9464,
97.9528

■ 42.5408, 28.9464,
97.9528

■ 36.9698, 22.3389,
96.9711

■ 49.2470, 37.3335,
99.2182

■ 32.4528, 17.3668,
96.2494

■ 57.1549, 47.6227,
100.7875

■ 28.9012, 13.8669,
95.7611

■ 66.3292, 59.9289,
102.6792

■ 26.2065, 11.6386,
95.4730

■ 76.8287, 74.3567,
104.9107

■ 25.0879, 10.8482,
95.3794

■ 88.7082, 91.0034,
107.4977

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.



31.2652, 28.9464, 127.4661



42.5408, 28.9464, 97.9528



50.8577, 28.9464, 54.7832

Triad

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



42.5408, 28.9464, 97.9528



34.7486, 28.9464, 2.5378



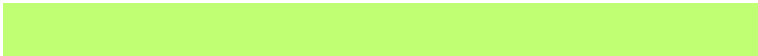
12.2069, 28.9464, 42.9709

Complementary

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



42.5408, 28.9464, 97.9528



60.5927, 83.9642, 29.2336

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.



12.6944, 28.9464, 15.9953



42.5408, 28.9464, 97.9528



24.0732, 28.9464, 2.1212

Square

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



42.5408, 28.9464, 97.9528



45.6346, 28.9464, 7.1228



16.5201, 28.9464, 4.9813



14.9634, 28.9464, 84.8064

Rectangle

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



42.5408, 28.9464, 97.9528



52.6151, 28.9464, 31.1239



16.5201, 28.9464, 4.9813



12.0179, 28.9464, 31.9149

Sweetspot

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



42.5419, 28.9474, 97.9529



75.6082, 72.6642, 104.6484



43.9705, 48.5648, 101.6642



15.7035, 14.8899, 22.2963



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.



42.5419, 28.9474, 97.9529



36.4233, 21.7152, 96.8795



62.8925, 39.4385, 98.9053



17.7793, 17.7779, 22.7444



13.2753, 5.7541, 49.8456



1.4162, 0.6240, 4.8591

Inverse Universe

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



56.8853, 37.3278, 54.0754



52.7872, 31.2932, 46.0452



46.8810, 76.8956, 28.5919



18.4275, 18.1543, 20.8681



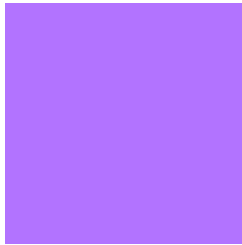
24.1081, 12.1325, 14.4856



2.4024, 1.2033, 1.7006

Previews

White Background



This preview shows how the XYZ color 42.5408, 28.9464, 97.9528 looks on a white background.

Color Contrast Check

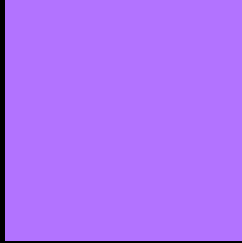
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.5408, 28.9464, 97.9528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

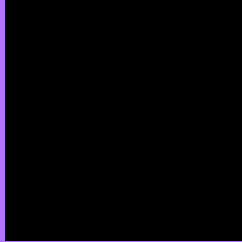
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.5408, 28.9464, 97.9528

Background



This preview shows how black text looks on a background with the XYZ color 42.5408, 28.9464, 97.9528.



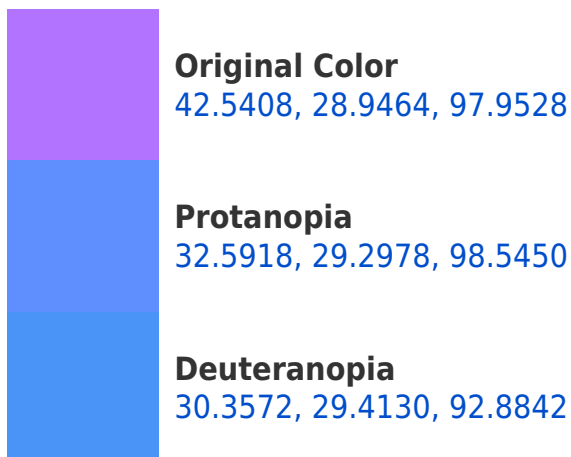
This preview shows how white text looks on a background with the XYZ color 42.5408, 28.9464,

97.9528.

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

29.5727, 28.7206, 34.1220

Trichromacy



Original Color

42.5408, 28.9464, 97.9528



Protanomaly

34.8950, 28.3550, 98.2416



Deuteranomaly

32.8988, 28.0181, 94.9409



Tritanomaly

33.2714, 28.3272, 52.4293

Monochromacy



Original Color

42.5408, 28.9464, 97.9528



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

32.5200, 28.9957, 51.4597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5408, 28.9464, 97.9528 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(178, 115, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 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(178, 115, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 115, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.5408, 28.9464, 97.9528 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(178, 115, 255) }
```


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

```
.border{ border-color:rgb(178, 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(178, 115, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 115, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 115, 255);  
box-shadow:4px 4px 4px 4px rgb(178, 115,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5408, 28.9464, 97.9528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 115, 255) }
```

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

```
.background{ background-color: rgb(178,  
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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