

Converting Colors

XYZ(42.5894, 25.7636, 97.3359)

Have a look what the booklet for
XYZ(42.5894, 25.7636, 97.3359)
contains.

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Color

**XYZ(42.5462, 25.7902,
97.3433)**

Conversions

Conversions Part 1

Format	Color
Hex	BB5EFF
RGB	187, 94, 255
RGB Percent	73%, 37%, 100%
CMY	0.2667, 0.6314, 0.0000
CMYK	0.27, 0.63, 0.00, 0.00
HSL	275°, 100%, 68%
HSV	275°, 63%, 100%
XYZ	42.5462, 25.7902, 97.3433
YIQ	140.1610, 3.7470, 69.7870

Conversions

Conversions Part 2

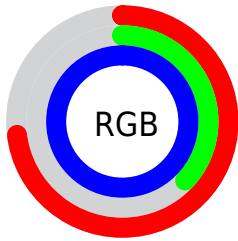
Format	Color
R _Y B	187, 94, 255
Decimal	12279551
CIE Lab	57.84, 64.22, -65.36
CIE LCh	58, 91.631, 314.493
Yxy	25.7902, 0.2568, 0.1557
Android (android.graphics.Color)	4290469631 (0xFFBB5EFF)
YUV	140.1610, 56.6156, 41.0778
Hunter-Lab	50.7841, 60.6728, -78.0987

Details

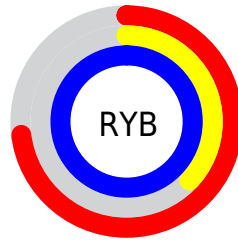
The XYZ color **42.5462, 25.7902, 97.3433** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **52.6808, 80.0096, 23.2572**, and the grayscale version is **24.7768, 26.0671, 28.3871**.

A 20% lighter version of the original color is **67.1552, 48.4890, 100.4276**, and **19.7929, 10.0215, 53.7145** is the 20% darker color. If you saturate the color by 10%, you get **38.1050, 20.6727, 96.5896**, and if you desaturate by 10%, it is **47.9358, 32.5086, 98.3560**.

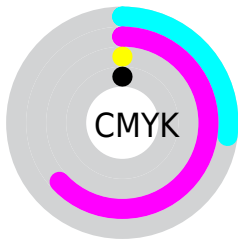
Distribution



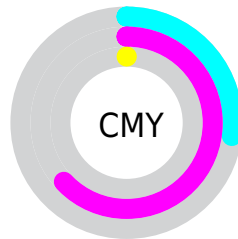
- Red (73%)
- Green (37%)
- Blue (100%)



- Red (73%)
- Yellow (37%)
- Blue (100%)



- Cyan (27%)
- Magenta (63%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (63%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5462, 25.7902, 97.3433 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 42.5462, 25.7902, 97.3433 by changing the saturation by 10% instead.

42.5462, 25.7902,
97.3433

42.5462, 25.7902,
97.3433

347.6954,
281.7507, 572.8148

29.7222, 16.6668,
73.4792

78.2856, 52.9363,
159.5213

19.7748, 9.9972,
53.8737

101.9317, 71.7277,
198.6724

12.3388, 5.3971,
38.1082

129.9159, 94.5106,
243.7561

7.0487, 2.4821,
25.7642

162.6035,
121.6694, 295.1912

3.5392, 0.8676,
16.4231

200.3599,
153.5883, 353.3960

1.4449, 0.0000,
9.6665

243.5505,

0.2879, 0.0000,

190.6519, 418.7892

5.0757

292.5405,
233.2446, 491.7893

■ 0.0000, 0.0000,
2.2322

■ 0.0000, 0.0000,
0.6929

■ 42.5462, 25.7902,
97.3433

■ 42.5462, 25.7902,
97.3433

■ 38.1050, 20.6727,
96.5896

■ 47.9358, 32.5086,
98.3560

■ 34.5276, 16.9971,
96.0687

■ 54.3412, 40.9604,
99.6498

■ 31.7171, 14.5749,
95.7493

■ 61.8268, 51.2670,
101.2446

■ 30.1367, 13.4509,
95.6156

■ 70.4503, 63.5379,
103.1586

■ 80.2648, 77.8738,
105.4085

■ 91.3200, 94.3684,
108.0096

■ 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.



30.2025, 25.7902, 137.2006



42.5462, 25.7902, 97.3433



51.0978, 25.7902, 47.6118

Triad

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



42.5462, 25.7902, 97.3433



30.6201, 25.7902, 0.7987



9.1973, 25.7902, 46.1540

Complementary

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



42.5462, 25.7902, 97.3433



52.6808, 80.0096, 23.2572

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.



9.2478, 25.7902, 14.7895



42.5462, 25.7902, 97.3433



19.5867, 25.7902, 0.7694

Square

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



42.5462, 25.7902, 97.3433



42.9298, 25.7902, 3.4176



12.4673, 25.7902, 3.2347



12.2993, 25.7902, 95.6167

Rectangle

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



42.5462, 25.7902, 97.3433



52.2579, 25.7902, 23.5936



12.4673, 25.7902, 3.2347



8.8842, 25.7902, 33.1044

Sweetspot

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



42.5473, 25.7911, 97.3434



74.3623, 69.2114, 104.0476



35.9004, 36.0679, 99.6774



15.3328, 13.9661, 22.1376



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.



42.5473, 25.7911, 97.3434



36.9959, 19.4801, 96.4179



61.6127, 35.8138, 89.4660



18.0080, 17.8959, 22.7551



15.9213, 7.1182, 49.9694



1.6750, 0.7574, 4.8712

Inverse Universe

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



51.7645, 31.8746, 37.6065



47.8812, 26.6036, 28.6183



42.9127, 74.9143, 25.4918



18.3277, 18.1144, 20.3427



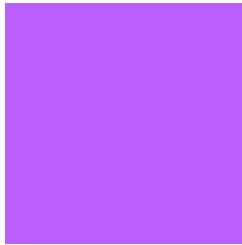
23.0255, 11.6995, 8.7849



2.2951, 1.1604, 1.1354

Previews

White Background



This preview shows how the XYZ color 42.5462, 25.7902, 97.3433 looks on a white background.

Color Contrast Check

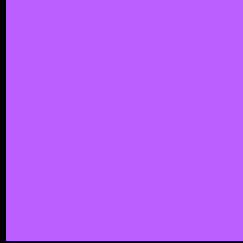
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.5462, 25.7902, 97.3433 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 42.5462, 25.7902, 97.3433

Background



This preview shows how black text looks on a background with the XYZ color 42.5462, 25.7902, 97.3433.

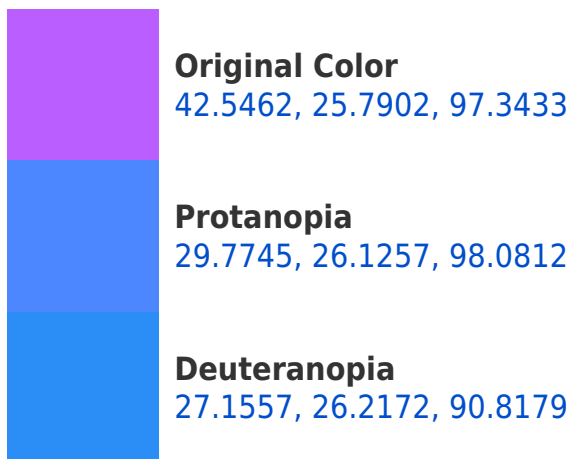


This preview shows how white text looks on a background with the XYZ color 42.5462, 25.7902,

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

28.2430, 25.4888, 27.4760

Trichromacy



Original Color

42.5462, 25.7902, 97.3433



Protanomaly

32.1026, 24.4348, 97.6321



Deuteranomaly

29.0258, 23.6878, 92.6649



Tritanomaly

32.0414, 24.8256, 46.8191

Monochromacy



Original Color

42.5462, 25.7902, 97.3433



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

29.4311, 24.7114, 47.4746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5462, 25.7902, 97.3433 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(187, 94, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 94, 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(187, 94, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 94, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.5462, 25.7902, 97.3433 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(187, 94, 255) }
```


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

```
.border{ border-color:rgb(187, 94, 255) }
```

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

Here you see how a box with a 4 pixel rgb(187, 94, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 94, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 94, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 94,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5462, 25.7902, 97.3433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 94, 255) }
```

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

```
.background{ background-color: rgb(187, 94,  
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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