

Converting Colors

XYZ(45.8400, 25.3036, 97.0758)

Have a look what the booklet for
XYZ(45.8400, 25.3036, 97.0758)
contains.

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Color

**XYZ(45.7429, 25.2313,
97.0669)**

Conversions

Conversions Part 1

Format	Color
Hex	CD4BFF
RGB	205, 75, 255
RGB Percent	80%, 29%, 100%
CMY	0.1961, 0.7059, 0.0000
CMYK	0.20, 0.71, 0.00, 0.00
HSL	283°, 100%, 65%
HSV	283°, 71%, 100%
XYZ	45.7429, 25.2313, 97.0669
YIQ	134.3900, 19.7000, 83.5400

Conversions

Conversions Part 2

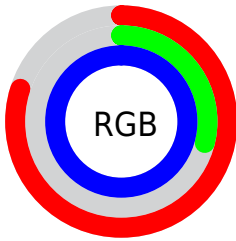
Format	Color
R _{YB}	205, 75, 255
Decimal	13454335
CIE _{Lab}	57.30, 75.88, -66.11
CIE _{LCh}	57, 100.639, 318.938
Yxy	25.2313, 0.2722, 0.1501
Android (android.graphics.Color)	4291644415 (0xFFCD4BFF)
YUV	134.3900, 59.4607, 61.9250
Hunter-Lab	50.2308, 74.6481, -79.4116

Details

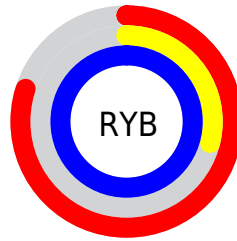
The XYZ color **45.7429, 25.2313, 97.0669** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **45.4879, 76.3882, 19.0043**, and the grayscale version is **22.5875, 23.7638, 25.8788**.

A 20% lighter version of the original color is **67.8151, 45.5302, 99.8217**, and **21.9321, 10.1422, 53.6250** is the 20% darker color. If you saturate the color by 10%, you get **42.4370, 21.4539, 96.5121**, and if you desaturate by 10%, it is **49.8318, 30.4412, 97.8571**.

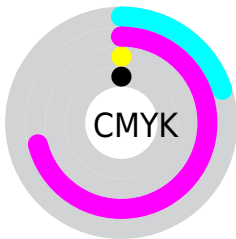
Distribution



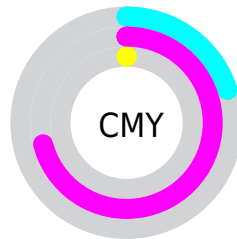
- Red (80%)
- Green (29%)
- Blue (100%)



- Red (80%)
- Yellow (29%)
- Blue (100%)



- Cyan (20%)
- Magenta (71%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (71%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7429, 25.2313, 97.0669 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 45.7429, 25.2313, 97.0669 by changing the saturation by 10% instead.

 45.7429, 25.2313,
97.0669


 45.7429, 25.2313,
97.0669

360.5073,
278.9879, 571.9135


 32.2468, 16.2495,
73.2501


 83.0643, 52.0322,
159.1371

 21.7065, 9.7009,
53.6874


 107.6203, 70.6201,
198.2276


 13.7568, 5.2011,
37.9603


 136.5936, 93.1787,
243.2463

 8.0323, 2.3657,
25.6503

 170.3496,
120.0926, 294.6119

 4.1676, 0.8082,
16.3388

 209.2536,
151.7461, 352.7429

 1.7974, 0.0000,
9.6073

253.6710,

 0.5161, 0.0000,

188.5235, 418.0578

5.0372

303.9671,
230.8093, 490.9751

■ 0.0000, 0.0000,
2.2100

■ 0.0000, 0.0000,
0.6801

■ 45.7429, 25.2313,
97.0669

■ 45.7429, 25.2313,
97.0669

■ 42.4370, 21.4539,
96.5121

■ 49.8318, 30.4412,
97.8571

■ 39.8215, 18.9286,
96.1625

■ 54.7757, 37.2291,
98.9067

■ 37.8576, 17.4312,
95.9770

■ 60.6411, 45.7255,
100.2375

■ 67.4868, 56.0461,
101.8688

■ 75.3665, 68.2967,
103.8181

■ 84.3295, 82.5747,
106.1016

94.4221, 98.9708,
108.7344

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.



32.2145, 25.2313, 148.0499



45.7429, 25.2313, 97.0669



54.2359, 25.2313, 42.0871

Triad

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



45.7429, 25.2313, 97.0669



28.6527, 25.2313, 0.0017



8.1804, 25.2313, 54.7524

Complementary

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



45.7429, 25.2313, 97.0669



45.4879, 76.3882, 19.0043

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.



7.7890, 25.2313, 16.7061



45.7429, 25.2313, 97.0669



17.2865, 25.2313, 0.2518

Square

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



45.7429, 25.2313, 97.0669



42.4042, 25.2313, 1.7526



10.5202, 25.2313, 2.9801



11.8583, 25.2313, 112.6184

Rectangle

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



45.7429, 25.2313, 97.0669



54.4904, 25.2313, 18.4851



10.5202, 25.2313, 2.9801



7.7196, 25.2313, 38.9833

Sweetspot

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



45.7439, 25.2323, 97.0671



75.0195, 67.7506, 103.7310



28.4133, 23.6386, 97.6729



15.5714, 13.7398, 22.0813



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.



45.7439, 25.2323, 97.0671



41.2035, 20.1969, 96.3345



56.1512, 31.2507, 68.0389



18.2719, 18.0319, 22.7674



19.9337, 9.1867, 50.1572



2.0469, 0.9491, 4.8886

Inverse Universe

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



47.4582, 27.7735, 22.2621



44.1674, 23.5528, 13.8869



41.6995, 74.2310, 28.0509



18.2167, 18.0700, 19.7583



22.1942, 11.3670, 4.4074



2.2049, 1.1243, 0.6606

Previews

White Background



This preview shows how the XYZ color 45.7429, 25.2313, 97.0669 looks on a white background.

Color Contrast Check

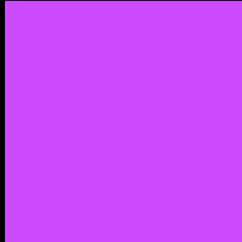
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.7429, 25.2313, 97.0669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

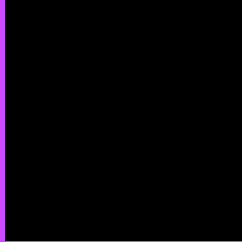
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.7429, 25.2313, 97.0669

Background



This preview shows how black text looks on a background with the XYZ color 45.7429, 25.2313, 97.0669.



This preview shows how white text looks on a background with the XYZ color 45.7429, 25.2313,

97.0669.

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

45.7429, 25.2313, 97.0669

Protanopia

29.3228, 25.6867, 98.0203

Deuteranopia

26.5520, 25.7408, 88.3631



Tritanopia

30.5589, 24.9283, 23.2797

Trichromacy



Original Color

45.7429, 25.2313, 97.0669



Protanomaly

31.8403, 23.0952, 97.3874



Deuteranomaly

28.5134, 22.0310, 90.7453



Tritanomaly

34.3837, 23.8962, 42.8446

Monochromacy



Original Color

45.7429, 25.2313, 97.0669



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

28.4382, 22.4982, 44.9632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7429, 25.2313, 97.0669 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(205, 75, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 75, 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(205, 75, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 75, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.7429, 25.2313, 97.0669 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(205, 75, 255) }
```


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

```
.border{ border-color:rgb(205, 75, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 75, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 75, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 75, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 75,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7429, 25.2313, 97.0669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 75, 255) }
```

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

```
.background{ background-color: rgb(205, 75,  
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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