

Converting Colors

XYZ(49.7653, 30.0347,
118.9393)

Have a look what the booklet for
XYZ(49.7653, 30.0347, 118.9393)
contains.

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Color

**XYZ(45.7296, 28.3977,
97.6788)**

Conversions

Conversions Part 1

Format	Color
Hex	C565FF
RGB	197, 101, 255
RGB Percent	77%, 40%, 100%
CMY	0.2274, 0.6039, 0.0000
CMYK	0.23, 0.60, 0.00, 0.00
HSL	277°, 100%, 70%
HSV	277°, 60%, 100%
XYZ	45.7296, 28.3977, 97.6788
YIQ	147.2600, 7.7820, 68.2460

Conversions

Conversions Part 2

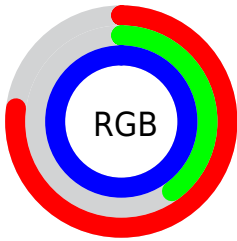
Format	Color
R_{YB}	197, 101, 255
Decimal	12936703
CIE _{Lab}	60.25, 63.14, -61.43
CIE _{LCh}	60, 88.097, 315.788
Yxy	28.3977, 0.2662, 0.1653
Android (android.graphics.Color)	4291126783 (0xFFC565FF)
YUV	147.2600, 53.1158, 43.6220
Hunter-Lab	53.2895, 59.9206, -71.3750

Details

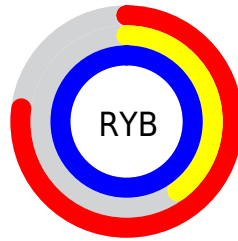
The XYZ color **45.7296, 28.3977, 97.6788** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **52.4074, 79.8307, 24.9596**, and the grayscale version is **27.6267, 29.0654, 31.6523**.

A 20% lighter version of the original color is **71.1785, 52.2569, 100.9428**, and **21.6639, 11.3970, 53.8813** is the 20% darker color. If you saturate the color by 10%, you get **41.1917, 22.9360, 96.8638**, and if you desaturate by 10%, it is **51.1977, 35.4796, 98.7576**.

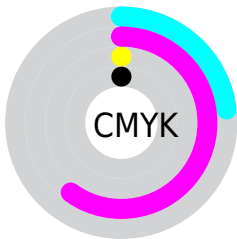
Distribution



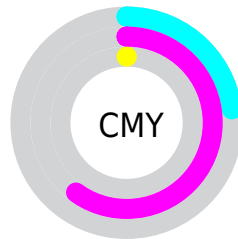
- Red (77%)
- Green (40%)
- Blue (100%)



- Red (77%)
- Yellow (40%)
- Blue (100%)



- Cyan (23%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (23%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7296, 28.3977, 97.6788 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 45.7296, 28.3977, 97.6788 by changing the saturation by 10% instead.


 45.7296, 28.3977,
97.6788

 45.7296, 28.3977,
97.6788

360.4547,
294.3624, 573.9077


 32.2362, 18.6257,
73.7574


 83.0445, 57.1188,
159.9876


 21.6984, 11.4001,
54.0999


 107.5968, 76.8366,
199.2121

 13.7508, 6.3366,
38.2878


 136.5660,
100.6385, 244.3746

 8.0281, 3.0508,
25.9026

 170.3176,
128.9088, 295.8938

 4.1649, 1.1583,
16.5257

209.2169,
162.0319, 354.1882

 1.7958, 0.0273,
9.7385

253.6293,

 0.5152, 0.0000,

200.3923, 419.6763

5.1226

303.9201,
244.3744, 492.7766

■ 0.0000, 0.0000,
2.2594

■ 0.0000, 0.0000,
0.7083

■ 45.7296, 28.3977,
97.6788

■ 45.7296, 28.3977,
97.6788

■ 41.1917, 22.9360,
96.8638

■ 51.1977, 35.4796,
98.7576

■ 37.5039, 18.9423,
96.2873

■ 57.6599, 44.3086,
100.1212

■ 34.5764, 16.2401,
95.9200

■ 65.1775, 55.0023,
101.7890

■ 32.3408, 14.5872,
95.7188

■ 73.8058, 67.6670,
103.7788

■ 83.5957, 82.4007,
106.1067

94.5951, 99.2949,
108.7879

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.



33.3380, 28.3977, 137.6042



45.7296, 28.3977, 97.6788



53.9736, 28.3977, 48.8304

Triad

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



45.7296, 28.3977, 97.6788



32.6784, 28.3977, 1.3299



11.0288, 28.3977, 51.1050

Complementary

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



45.7296, 28.3977, 97.6788



52.4074, 79.8307, 24.9596

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.



10.9440, 28.3977, 18.0319



45.7296, 28.3977, 97.6788



21.5057, 28.3977, 1.3849

Square

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



45.7296, 28.3977, 97.6788



45.1322, 28.3977, 4.3392



14.2311, 28.3977, 4.6740



14.5085, 28.3977, 100.3054

Rectangle

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



45.7296, 28.3977, 97.6788



54.8572, 28.3977, 25.0653



14.2311, 28.3977, 4.6740



10.6435, 28.3977, 37.6227

Sweetspot

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



45.7307, 28.3988, 97.6790



76.0387, 70.9976, 104.3040



35.9942, 35.1409, 99.4935



15.6956, 14.3320, 22.1891



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.



45.7307, 28.3988, 97.6790



40.5429, 22.1983, 96.7556



61.1850, 36.6845, 84.0026



18.0910, 17.9386, 22.7590



17.0698, 7.7103, 50.0231



1.7833, 0.8133, 4.8763

Inverse Universe

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



52.1521, 33.0713, 36.4361



48.2928, 27.7271, 27.8293



44.4552, 75.6181, 29.6960



18.2923, 18.1002, 20.1566



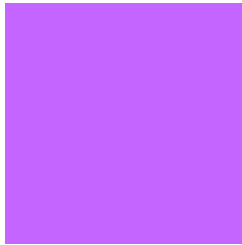
22.7194, 11.5770, 7.1728



2.2631, 1.1476, 0.9669

Previews

White Background



This preview shows how the XYZ color 45.7296, 28.3977, 97.6788 looks on a white background.

Color Contrast Check

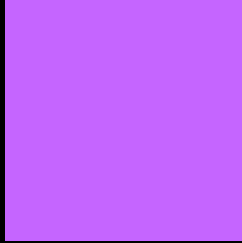
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.7296, 28.3977, 97.6788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

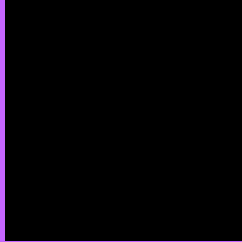
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.7296, 28.3977, 97.6788

Background



This preview shows how black text looks on a background with the XYZ color 45.7296, 28.3977, 97.6788.



This preview shows how white text looks on a background with the XYZ color 45.7296, 28.3977,

97.6788.

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

45.7296, 28.3977, 97.6788

Protanopia

32.1366, 28.8413, 98.4809

Deuteranopia

29.8159, 28.9377, 91.2028



Tritanopia

31.9359, 28.3419, 29.7739

Trichromacy



Original Color

45.7296, 28.3977, 97.6788



Protanomaly

34.8453, 27.1446, 98.0106



Deuteranomaly

32.5527, 26.6564, 93.0520



Tritanomaly

35.7388, 27.5745, 48.7862

Monochromacy



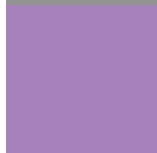
Original Color

45.7296, 28.3977, 97.6788



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

32.3626, 27.5098, 50.0586

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7296, 28.3977, 97.6788 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(197, 101, 255)` looks like.

```
.text, #text, p{  
    color:rgb(197, 101, 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(197, 101, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 101, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.7296, 28.3977, 97.6788 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(197, 101, 255) }
```


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

```
.border{ border-color:rgb(197, 101, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 101, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 101, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 101, 255);  
box-shadow:4px 4px 4px 4px rgb(197, 101,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7296, 28.3977, 97.6788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 101, 255) }
```

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

```
.background{ background-color: rgb(197,  
101, 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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