

Converting Colors

XYZ(45.3930, 30.6429, 98.1299)

Have a look what the booklet for
XYZ(45.3930, 30.6429, 98.1299)
contains.

XYZ(45.2817, 30.5296, 98.1139)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(45.2817, 30.5296,
98.1139)**

Conversions

Conversions Part 1

Format	Color
Hex	BD74FF
RGB	189, 116, 255
RGB Percent	74%, 45%, 100%
CMY	0.2588, 0.5451, 0.0000
CMYK	0.26, 0.55, 0.00, 0.00
HSL	272°, 100%, 73%
HSV	272°, 55%, 100%
XYZ	45.2817, 30.5296, 98.1139
YIQ	153.6730, -1.1110, 58.7050

Conversions

Conversions Part 2

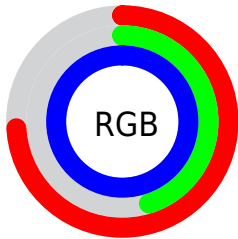
Format	Color
R _Y B	189, 116, 255
Decimal	12416255
CIE Lab	62.11, 53.83, -58.51
CIE LCh	62, 79.506, 312.619
Yxy	30.5296, 0.2604, 0.1755
Android (android.graphics.Color)	4290606335 (0xFFBD74FF)
YUV	153.6730, 49.9542, 30.9818
Hunter-Lab	55.2536, 49.5914, -66.6038

Details

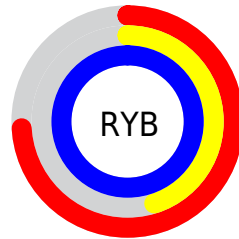
The XYZ color **45.2817, 30.5296, 98.1139** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **58.2039, 82.7261, 29.4240**, and the grayscale version is **30.3618, 31.9430, 34.7859**.

A 20% lighter version of the original color is **71.1361, 55.9259, 101.6532**, and **21.4272, 12.6035, 54.1267** is the 20% darker color. If you saturate the color by 10%, you get **39.8565, 23.9524, 97.1303**, and if you desaturate by 10%, it is **51.7665, 38.8513, 99.3784**.

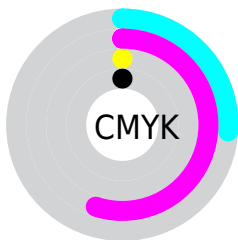
Distribution



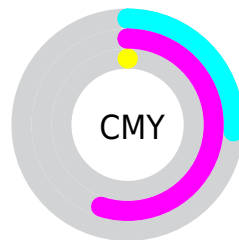
- Red (74%)
- Green (45%)
- Blue (100%)



- Red (74%)
- Yellow (45%)
- Blue (100%)



- Cyan (26%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)




- Cyan (26%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2817, 30.5296, 98.1139 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 45.2817, 30.5296, 98.1139 by changing the saturation by 10% instead.


 45.2817, 30.5296,
98.1139

 45.2817, 30.5296,
98.1139


358.6778,
304.3653, 575.3235


 31.8816, 20.2409,
74.1182


 82.3774, 60.4987,
160.5920

 21.4262, 12.5703,
54.3934


 106.8038, 80.9479,
199.9116

 13.5501, 7.1333,
38.5210


 135.6362,
105.5528, 245.1761

 7.8880, 3.5456,
26.0823

169.2402,
134.6976, 296.8043

 4.0746, 1.4228,
16.6589

207.9809,
168.7669, 355.2146

 1.7444, 0.2334,
9.8322

252.2239,

 0.4838, 0.0000,

208.1450, 420.8255

5.1837

302.3344,
253.2164, 494.0556

■ 0.0000, 0.0000,
2.2948

■ 0.0000, 0.0000,
0.7283

■ 45.2817, 30.5296,
98.1139

■ 45.2817, 30.5296,
98.1139

■ 39.8565, 23.9524,
97.1303

■ 51.7665, 38.8513,
99.3784

■ 35.4135, 18.9776,
96.4043

■ 59.3733, 49.0374,
100.9436

■ 31.8688, 15.4456,
95.9094

■ 68.1634, 61.2006,
102.8280

■ 29.1191, 13.1595,
95.6130

■ 78.1922, 75.4436,
105.0486

■ 27.8695, 12.2821,
95.5095

■ 89.5114, 91.8620,
107.6211

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.



33.7442, 30.5296, 130.1502



45.2817, 30.5296, 98.1139



53.3898, 30.5296, 54.1132

Triad

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



45.2817, 30.5296, 98.1139



35.6020, 30.5296, 2.7662



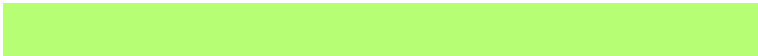
13.2244, 30.5296, 47.8338

Complementary

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



45.2817, 30.5296, 98.1139



58.2039, 82.7261, 29.4240

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.



13.4880, 30.5296, 18.5734



45.2817, 30.5296, 98.1139



24.7541, 30.5296, 2.5318

Square

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



45.2817, 30.5296, 98.1139



46.9263, 30.5296, 7.1890



17.2048, 30.5296, 6.0133



16.3663, 30.5296, 91.1666

Rectangle

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



45.2817, 30.5296, 98.1139



54.7789, 30.5296, 30.6234



17.2048, 30.5296, 6.0133



12.9451, 30.5296, 36.0048

Sweetspot

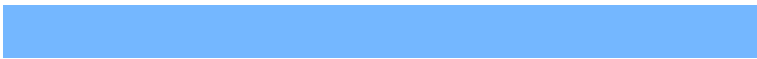
The Sweet Spot groups the original color and five complimentary colors.



45.2829, 30.5307, 98.1141



76.6159, 73.1837, 104.6955



42.2245, 44.8765, 101.0443



15.9433, 15.0135, 22.3075



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.



45.2829, 30.5307, 98.1141



39.6158, 23.6717, 97.0888



65.1649, 40.8232, 97.1094



17.9135, 17.8472, 22.7507



14.7362, 6.5073, 49.9139



1.5610, 0.6987, 4.8659

Inverse Universe

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



55.9292, 37.1289, 48.4745



51.8964, 31.2717, 40.3217



46.2519, 76.5488, 29.5770



18.3685, 18.1307, 20.5576



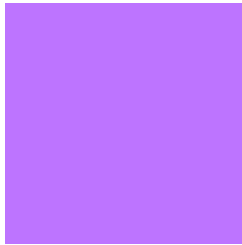
23.4288, 11.8608, 10.9084



2.3359, 1.1767, 1.3504

Previews

White Background



This preview shows how the XYZ color 45.2817, 30.5296, 98.1139 looks on a white background.

Color Contrast Check

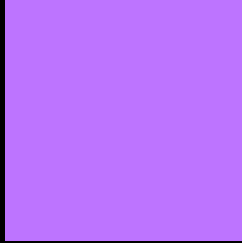
Large Text (above 18pt) WCAG AA × Fail

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 45.2817, 30.5296, 98.1139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

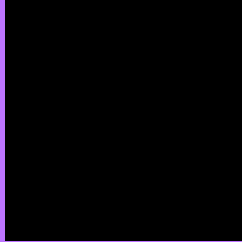
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.2817, 30.5296, 98.1139

Background



This preview shows how black text looks on a background with the XYZ color 45.2817, 30.5296, 98.1139.

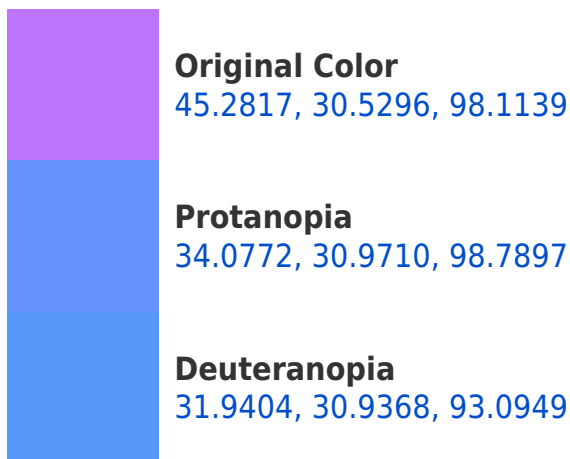


This preview shows how white text looks on a background with the XYZ color 45.2817, 30.5296,

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

32.2174, 30.3038, 34.2882

Trichromacy



Original Color

45.2817, 30.5296, 98.1139

Protanomaly

36.6857, 29.8967, 98.4448

Deuteranomaly

34.8132, 29.4271, 95.1119

Tritanomaly

36.0419, 29.9577, 52.5980

Monochromacy



Original Color

45.2817, 30.5296, 98.1139

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

34.7184, 30.7332, 53.3925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2817, 30.5296, 98.1139 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(189, 116, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 116, 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(189, 116, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 116, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.2817, 30.5296, 98.1139 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(189, 116, 255) }
```


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

```
.border{ border-color:rgb(189, 116, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 116, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 116, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 116, 255);  
box-shadow:4px 4px 4px 4px rgb(189, 116,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2817, 30.5296, 98.1139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 116, 255) }
```

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

```
.background{ background-color: rgb(189,  
116, 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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