

Converting Colors

XYZ(44.5979, 30.0390, 93.4919)

Have a look what the booklet for
XYZ(44.5979, 30.0390, 93.4919)
contains.

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Color

**XYZ(44.6213, 30.1107,
93.9026)**

Conversions

Conversions Part 1

Format	Color
Hex	BE73FA
RGB	190, 115, 250
RGB Percent	75%, 45%, 98%
CMY	0.2549, 0.5490, 0.0196
CMYK	0.24, 0.54, 0.00, 0.02
HSL	273°, 93%, 72%
HSV	273°, 54%, 98%
XYZ	44.6213, 30.1107, 93.9026
YIQ	152.8150, 1.3650, 57.8850

Conversions

Conversions Part 2

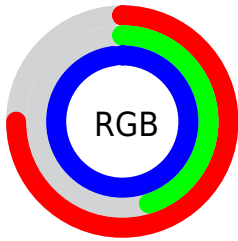
Format	Color
R _Y B	190, 115, 250
Decimal	12481530
CIE Lab	61.75, 53.47, -56.32
CIE LCh	62, 77.663, 313.515
Yxy	30.1107, 0.2646, 0.1786
Android (android.graphics.Color)	4290671610 (0xFFBE73FA)
YUV	152.8150, 47.9122, 32.6112
Hunter-Lab	54.8732, 49.1229, -63.0496

Details

The XYZ color **44.6213, 30.1107, 93.9026** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **54.9597, 78.7235, 28.5190**, and the grayscale version is **29.9970, 31.5592, 34.3680**.

A 20% lighter version of the original color is **71.3049, 55.7357, 101.6076**, and **21.0760, 12.3918, 51.7331** is the 20% darker color. If you saturate the color by 10%, you get **39.4774, 23.7859, 92.9534**, and if you desaturate by 10%, it is **50.7520, 38.0925, 95.1207**.

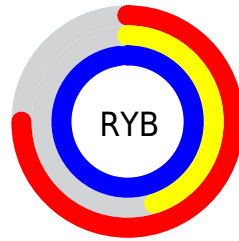
Distribution



Red (75%)

Green (45%)

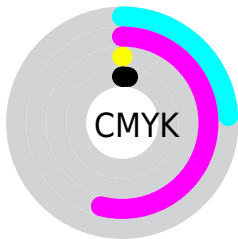
Blue (98%)



Red (75%)

Yellow (45%)

Blue (98%)

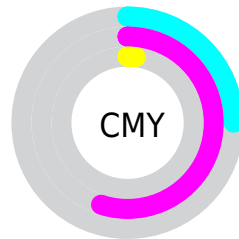


Cyan (24%)

Magenta (54%)

Yellow (0%)

Black (2%)



Cyan (25%)

Magenta (55%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.6213, 30.1107, 93.9026 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 44.6213, 30.1107, 93.9026 by changing the saturation by 10% instead.


 44.6213, 30.1107,
93.9026

 44.6213, 30.1107,
93.9026

356.0472,
302.4201, 561.5401


 31.3592, 19.9226,
70.6301

 81.3924, 59.8372,
154.7301

 21.0257, 12.3388,
51.5604

 105.6322, 80.1444,
193.1223

 13.2554, 6.9749,
36.2750

 134.2619,
104.5935, 237.3914

 7.6828, 3.4464,
24.3553

167.6469,
133.5688, 287.9559

 3.9428, 1.3690,
15.3827

206.1526,
167.4547, 345.2346

 1.6698, 0.1937,
8.9388

250.1443,

 0.4373, 0.0000,

206.6356, 409.6458

4.6050

299.9874,
251.4959, 481.6081

■ 0.0000, 0.0000,
1.9628

■ 0.0000, 0.0000,
0.5323

■ 44.6213, 30.1107,
93.9026

■ 44.6213, 30.1107,
93.9026

■ 39.4774, 23.7859,
92.9534

■ 50.7520, 38.0925,
95.1207

■ 35.2479, 18.9840,
92.2495

■ 57.9274, 47.8440,
96.6247

■ 31.8548, 15.5550,
91.7665

■ 66.2045, 59.4718,
98.4328

■ 29.2023, 13.3146,
91.4738

■ 75.6352, 73.0728,
100.5610

■ 27.8849, 12.3819,
91.3632

■ 86.2674, 88.7371,
103.0242

■ 94.2554, 99.6822,
104.7158

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.5255, 30.1107, 125.2608



44.6213, 30.1107, 93.9026



52.2518, 30.1107, 51.7594

Triad

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



44.6213, 30.1107, 93.9026



34.6448, 30.1107, 2.8787



13.3052, 30.1107, 47.9864

Complementary

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



44.6213, 30.1107, 93.9026



54.9597, 78.7235, 28.5190

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.



13.4660, 30.1107, 19.1282



44.6213, 30.1107, 93.9026



24.2168, 30.1107, 2.7303

Square

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



44.6213, 30.1107, 93.9026



45.6091, 30.1107, 7.1204



16.9893, 30.1107, 6.3921



16.4793, 30.1107, 89.7527

Rectangle

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



44.6213, 30.1107, 93.9026



53.4264, 30.1107, 29.4147



16.9893, 30.1107, 6.3921



12.9994, 30.1107, 36.4044

Sweetspot

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



44.6225, 30.1119, 93.9033



77.0279, 73.3961, 104.7148



39.8028, 41.5006, 96.3556



16.0415, 15.0642, 22.3121



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.



44.6225, 30.1119, 93.9033



40.7780, 24.2708, 97.1432



61.7712, 39.0725, 89.2787



17.2053, 17.1185, 21.7827



14.9592, 6.6544, 48.4695



1.5074, 0.6792, 4.4948

Inverse Universe

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



53.2935, 35.6814, 44.6359



51.4364, 31.0877, 37.8997



44.7540, 73.4157, 30.1440



17.5652, 17.3534, 19.5658



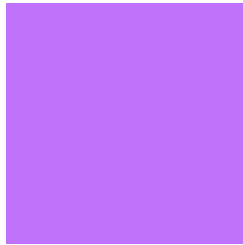
22.5068, 11.4185, 9.3774



2.1369, 1.0785, 1.1446

Previews

White Background



This preview shows how the XYZ color 44.6213, 30.1107, 93.9026 looks on a white background.

Color Contrast Check

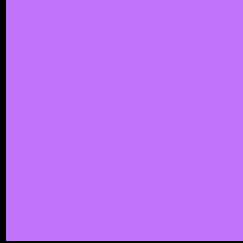
Large Text (above 18pt) WCAG AA × Fail

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 44.6213, 30.1107, 93.9026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

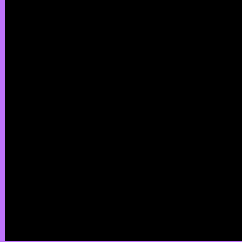
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.6213, 30.1107, 93.9026

Background



This preview shows how black text looks on a background with the XYZ color 44.6213, 30.1107, 93.9026.



This preview shows how white text looks on a background with the XYZ color 44.6213, 30.1107,

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

44.6213, 30.1107, 93.9026

Protanopia

33.6957, 30.5445, 98.7275

Deuteranopia

31.4976, 30.5591, 89.0324



Tritanopia

32.1976, 29.8748, 33.3476

Trichromacy



Original Color

44.6213, 30.1107, 93.9026



Protanomaly

36.0665, 29.4063, 96.7036



Deuteranomaly

34.4823, 29.1343, 90.9949



Tritanomaly

35.6763, 29.4042, 50.8089

Monochromacy



Original Color

44.6213, 30.1107, 93.9026



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

34.0356, 30.2031, 51.6129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.6213, 30.1107, 93.9026 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(190, 115, 250)` looks like.

```
.text, #text, p{  
    color:rgb(190, 115, 250)  
}
```

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(190, 115, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 115, 250) }
```

Border

The CSS property to change the border of an element to XYZ 44.6213, 30.1107, 93.9026 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(190, 115, 250) }
```


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

```
.border{ border-color:rgb(190, 115, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 115, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 115, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 115, 250);  
box-shadow:4px 4px 4px 4px rgb(190, 115,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 44.6213, 30.1107, 93.9026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 115, 250) }
```

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

```
.background{ background-color: rgb(190,  
115, 250) }
```

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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