

Converting Colors

XYZ(46.1327, 31.4900, 98.2545)

Have a look what the booklet for
XYZ(46.1327, 31.4900, 98.2545)
contains.

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Color

**XYZ(46.1327, 31.4900,
98.2545)**

Conversions

Conversions Part 1

Format	Color
Hex	BF77FF
RGB	191, 119, 255
RGB Percent	75%, 47%, 100%
CMY	0.2510, 0.5333, 0.0000
CMYK	0.25, 0.53, 0.00, 0.00
HSL	272°, 100%, 73%
HSV	272°, 53%, 100%
XYZ	46.1327, 31.4900, 98.2545
YIQ	156.0320, -0.7440, 57.5600

Conversions

Conversions Part 2

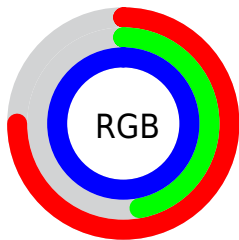
Format	Color
R_{YB}	191, 119, 255
Decimal	12548095
CIE _{Lab}	62.92, 52.77, -57.20
CIE _{LCh}	63, 77.826, 312.694
Yxy	31.4900, 0.2623, 0.1790
Android (android.graphics.Color)	4290738175 (0xFFBF77FF)
YUV	156.0320, 48.7912, 30.6669
Hunter-Lab	56.1160, 48.5412, -64.5308

Details

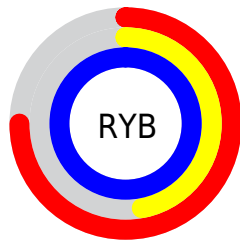
The XYZ color **46.1327, 31.4900, 98.2545** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **58.6184, 82.9193, 30.3692**, and the grayscale version is **31.4049, 33.0403, 35.9809**.

A 20% lighter version of the original color is **72.4179, 57.4311, 101.8762**, and **21.9167, 13.1139, 54.1994** is the 20% darker color. If you saturate the color by 10%, you get **40.5999, 24.7214, 97.2396**, and if you desaturate by 10%, it is **52.7290, 40.0162, 99.5525**.

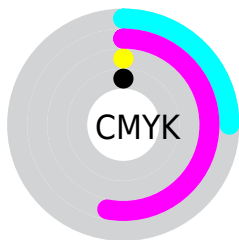
Distribution



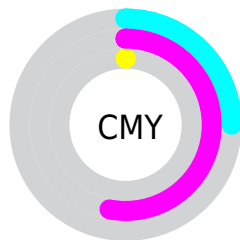
- Red (75%)
- Green (47%)
- Blue (100%)



- Red (75%)
- Yellow (47%)
- Blue (100%)



- Cyan (25%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)





- Cyan (25%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1327, 31.4900, 98.2545 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 46.1327, 31.4900, 98.2545 by changing the saturation by 10% instead.


 46.1327, 31.4900,
98.2545

 46.1327, 31.4900,
98.2545

362.0489,
308.7894, 575.7806


 32.5556, 20.9723,
74.2349


 83.6442, 62.0107,
160.7873

 21.9438, 13.1037,
54.4883

 108.3093, 82.7825,
200.1375

 13.9320, 7.5000,
38.5964


 137.4012,
107.7410, 245.4350

 8.1548, 3.7767,
26.1405

171.2852,
137.2707, 297.0983

 4.2468, 1.5495,
16.7020

210.3265,
171.7561, 355.5460

 1.8427, 0.3232,
9.8626

254.8907,

 0.5432, 0.0000,

211.5813, 421.1966

5.2035

305.3431,
257.1310, 494.4686

■ 0.0000, 0.0000,
2.3063

■ 0.0000, 0.0000,
0.7348

■ 46.1327, 31.4900,
98.2545

■ 46.1327, 31.4900,
98.2545

■ 40.5999, 24.7214,
97.2396

■ 52.7290, 40.0162,
99.5525

■ 36.0545, 19.5705,
96.4850

■ 60.4504, 50.4181,
101.1533

■ 32.4143, 15.8808,
95.9646

■ 69.3573, 62.8073,
103.0752

■ 29.5790, 13.4610,
95.6470

■ 79.5045, 77.2856,
105.3350

■ 28.0422, 12.3712,
95.5176

■ 90.9432, 93.9475,
107.9482

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.



34.6751, 31.4900, 129.6646



46.1327, 31.4900, 98.2545



54.1390, 31.4900, 54.9356

Triad

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



46.1327, 31.4900, 98.2545



36.4667, 31.4900, 3.2070



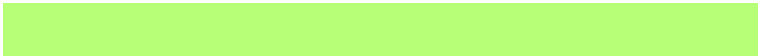
14.0297, 31.4900, 48.9081

Complementary

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



46.1327, 31.4900, 98.2545



58.6184, 82.9193, 30.3692

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.



14.2895, 31.4900, 19.5946



46.1327, 31.4900, 98.2545



25.6394, 31.4900, 2.9611

Square

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



46.1327, 31.4900, 98.2545



47.7103, 31.4900, 7.8657



18.0499, 31.4900, 6.6765



17.2282, 31.4900, 91.6532

Rectangle

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



46.1327, 31.4900, 98.2545



55.4972, 31.4900, 31.5959



18.0499, 31.4900, 6.6765



13.7424, 31.4900, 37.1272

Sweetspot

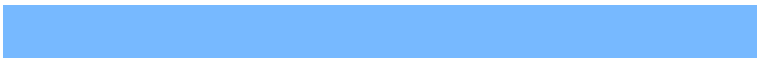
The Sweet Spot groups the original color and five complimentary colors.



46.1339, 31.4912, 98.2546



76.6731, 73.2132, 104.6982



42.9517, 45.7293, 101.1706



15.9569, 15.0206, 22.3082



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.



46.1339, 31.4912, 98.2546



40.2663, 24.3286, 97.1814



65.5244, 41.5293, 97.2684



17.9211, 17.8511, 22.7510



14.8267, 6.5539, 49.9182



1.5698, 0.7032, 4.8663

Inverse Universe

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



56.3844, 37.8733, 49.1382



52.1736, 31.7292, 40.7130



46.8359, 76.8293, 30.5370



18.3652, 18.1294, 20.5402



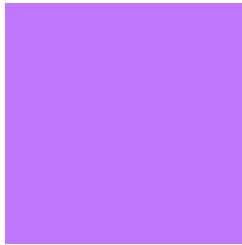
23.3941, 11.8470, 10.7260



2.3325, 1.1754, 1.3322

Previews

White Background



This preview shows how the XYZ color 46.1327, 31.4900, 98.2545 looks on a white background.

Color Contrast Check

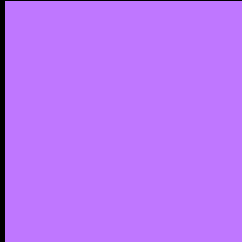
Large Text (above 18pt) WCAG AA × Fail

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 46.1327, 31.4900, 98.2545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

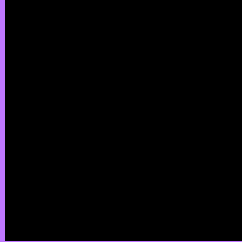
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.1327, 31.4900, 98.2545

Background



This preview shows how black text looks on a background with the XYZ color 46.1327, 31.4900, 98.2545.



This preview shows how white text looks on a background with the XYZ color 46.1327, 31.4900,

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

46.1327, 31.4900, 98.2545

Protanopia

34.8609, 31.8407, 98.9162

Deuteranopia

32.8487, 31.8869, 93.2304



Tritanopia

33.3452, 31.3117, 35.2966

Trichromacy



Original Color

46.1327, 31.4900, 98.2545



Protanomaly

37.6197, 30.8002, 98.5700



Deuteranomaly

35.9907, 30.6819, 95.2921



Tritanomaly

36.8903, 30.7928, 53.2895

Monochromacy



Original Color

46.1327, 31.4900, 98.2545



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

35.6991, 31.8857, 54.1422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1327, 31.4900, 98.2545 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(191, 119, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 119, 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(191, 119, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 119, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.1327, 31.4900, 98.2545 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(191, 119, 255) }
```


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

```
.border{ border-color:rgb(191, 119, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 119, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 119, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 119, 255);  
box-shadow:4px 4px 4px 4px rgb(191, 119,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1327, 31.4900, 98.2545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 119, 255) }
```

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

```
.background{ background-color: rgb(191,  
119, 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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