

Converting Colors

XYZ(57.4138, 36.8137,
153.4055)

Have a look what the booklet for
XYZ(57.4138, 36.8137, 153.4055)
contains.

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Color

**XYZ(46.8712, 32.5924,
98.4283)**

Conversions

Conversions Part 1

Format	Color
Hex	C07BFF
RGB	192, 123, 255
RGB Percent	75%, 48%, 100%
CMY	0.2470, 0.5176, 0.0000
CMYK	0.25, 0.52, 0.00, 0.00
HSL	271°, 100%, 74%
HSV	271°, 52%, 100%
XYZ	46.8712, 32.5924, 98.4283
YIQ	158.6790, -1.2480, 55.6800

Conversions

Conversions Part 2

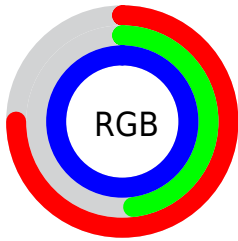
Format	Color
R_{YB}	192, 123, 255
Decimal	12614655
CIE _{Lab}	63.83, 50.93, -55.75
CIE _{LCh}	64, 75.510, 312.417
Yxy	32.5924, 0.2635, 0.1832
Android (android.graphics.Color)	4290804735 (0xFFC07BFF)
YUV	158.6790, 47.4863, 29.2225
Hunter-Lab	57.0898, 46.6430, -62.2589

Details

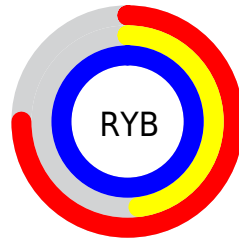
The XYZ color **46.8712, 32.5924, 98.4283** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **59.5851, 83.3893, 31.6953**, and the grayscale version is **32.6001, 34.2979, 37.3504**.

A 20% lighter version of the original color is **73.5558, 59.1735, 102.1526**, and **22.4380, 13.7346, 54.8945** is the 20% darker color. If you saturate the color by 10%, you get **41.1549, 25.5460, 97.3695**, and if you desaturate by 10%, it is **53.6684, 41.4199, 99.7740**.

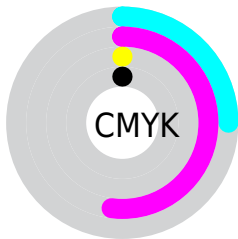
Distribution



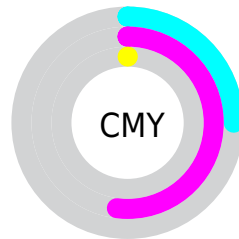
- Red (75%)
- Green (48%)
- Blue (100%)



- Red (75%)
- Yellow (48%)
- Blue (100%)



- Cyan (25%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8712, 32.5924, 98.4283 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 46.8712, 32.5924, 98.4283 by changing the saturation by 10% instead.


 46.8712, 32.5924,
98.4283

 46.8712, 32.5924,
98.4283

364.9577,
313.8090, 576.3454

 33.1414, 21.8144,
74.3790

 84.7412, 63.7386,
161.0286

 22.3945, 13.7206,
54.6057


 109.6122, 84.8756,
200.4168

 14.2653, 7.9266,
38.6896


 138.9275,
110.2344, 245.7549

 8.3883, 4.0480,
26.2124

173.0526,
140.1994, 297.4617

 4.3983, 1.7005,
16.7554

212.3528,
175.1550, 355.9556

 1.9299, 0.4239,
9.9001

257.1935,

 0.5941, 0.0000,

215.4855, 421.6551

5.2281

307.9400,
261.5754, 494.9789

■ 0.0000, 0.0000,
2.3206

■ 0.0000, 0.0000,
0.7427

■ 46.8712, 32.5924,
98.4283

■ 46.8712, 32.5924,
98.4283

■ 41.1549, 25.5460,
97.3695

■ 53.6684, 41.4199,
99.7740

■ 36.4443, 20.1430,
96.5749

■ 61.6072, 52.1447,
101.4256

■ 32.6591, 16.2310,
96.0193

■ 70.7475, 64.8770,
103.4015

■ 29.7018, 13.6249,
95.6722

■ 81.1439, 79.7174,
105.7180

■ 27.7700, 12.2309,
95.5049

■ 92.8471, 96.7597,
108.3907

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.



35.5737, 32.5924, 128.5480



46.8712, 32.5924, 98.4283



54.7701, 32.5924, 56.2167

Triad

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



46.8712, 32.5924, 98.4283



37.5562, 32.5924, 3.8518



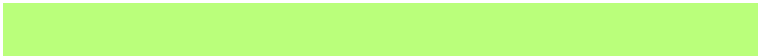
15.0246, 32.5924, 49.5870

Complementary

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



46.8712, 32.5924, 98.4283



59.5851, 83.3893, 31.6953

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.



15.3202, 32.5924, 20.6064



46.8712, 32.5924, 98.4283



26.7964, 32.5924, 3.5501

Square

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



46.8712, 32.5924, 98.4283



48.6049, 32.5924, 8.8712



19.1575, 32.5924, 7.4747



18.2296, 32.5924, 91.2624

Rectangle

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



46.8712, 32.5924, 98.4283



56.1480, 32.5924, 33.0805



19.1575, 32.5924, 7.4747



14.7431, 32.5924, 38.0086

Sweetspot

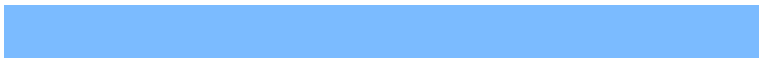
The Sweet Spot groups the original color and five complimentary colors.



46.8724, 32.5936, 98.4285



76.5827, 73.1666, 104.6940



43.9471, 46.8878, 101.3417



15.9354, 15.0095, 22.3072



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.



46.8724, 32.5936, 98.4285



41.0321, 25.3997, 97.3477



66.0212, 42.5059, 97.4863



17.9091, 17.8449, 22.7504



14.6841, 6.4804, 49.9115



1.5560, 0.6960, 4.8656

Inverse Universe

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



57.1863, 38.9719, 50.9628



52.9860, 32.7831, 42.7438



47.6435, 77.2171, 31.8635



18.3704, 18.1315, 20.5677



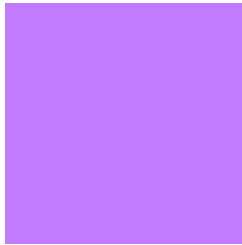
23.4491, 11.8689, 11.0151



2.3379, 1.1776, 1.3610

Previews

White Background



This preview shows how the XYZ color 46.8712, 32.5924, 98.4283 looks on a white background.

Color Contrast Check

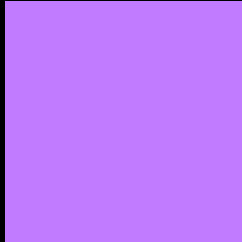
Large Text (above 18pt) WCAG AA × Fail

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 46.8712, 32.5924, 98.4283 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

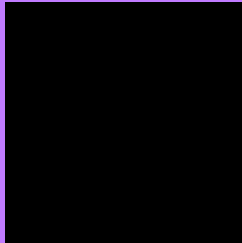
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.8712, 32.5924, 98.4283

Background



This preview shows how black text looks on a background with the XYZ color 46.8712, 32.5924, 98.4283.

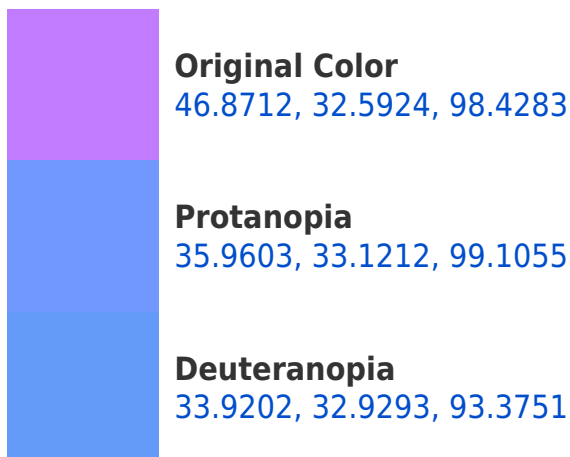


This preview shows how white text looks on a background with the XYZ color 46.8712, 32.5924,

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

34.2845, 32.4500, 36.8042

Trichromacy



Original Color

46.8712, 32.5924, 98.4283

Protanomaly

38.5594, 31.9325, 98.7390

Deuteranomaly

36.9079, 31.5965, 95.4203

Tritanomaly

37.7702, 31.8510, 54.6092

Monochromacy



Original Color

46.8712, 32.5924, 98.4283

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

36.8111, 33.1107, 55.4898

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8712, 32.5924, 98.4283 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(192, 123, 255)` looks like.

```
.text, #text, p{  
    color:rgb(192, 123, 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(192, 123, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 123, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.8712, 32.5924, 98.4283 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(192, 123, 255) }
```


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

```
.border{ border-color:rgb(192, 123, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 123, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 123, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 123, 255);  
box-shadow:4px 4px 4px 4px rgb(192, 123,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8712, 32.5924, 98.4283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 123, 255) }
```

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

```
.background{ background-color: rgb(192,  
123, 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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