

Converting Colors

XYZ(47.3141, 31.2975, 94.7815)

Have a look what the booklet for
XYZ(47.3141, 31.2975, 94.7815)
contains.

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Color

**XYZ(47.2493, 31.2790,
94.8139)**

Conversions

Conversions Part 1

Format	Color
Hex	C872FB
RGB	200, 114, 251
RGB Percent	78%, 45%, 98%
CMY	0.2157, 0.5529, 0.0157
CMYK	0.20, 0.55, 0.00, 0.02
HSL	278°, 94%, 72%
HSV	278°, 55%, 98%
XYZ	47.2493, 31.2790, 94.8139
YIQ	155.3320, 7.2790, 60.8390

Conversions

Conversions Part 2

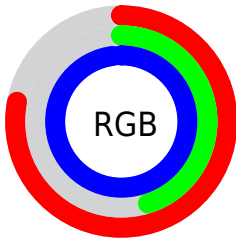
Format	Color
R _Y B	200, 114, 251
Decimal	13136635
CIE Lab	62.74, 56.68, -55.22
CIE LCh	63, 79.133, 315.745
Yxy	31.2790, 0.2726, 0.1804
Android (android.graphics.Color)	4291326715 (0xFFC872FB)
YUV	155.3320, 47.1643, 39.1738
Hunter-Lab	55.9276, 52.9287, -61.3648

Details

The XYZ color **47.2493, 31.2790, 94.8139** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **53.0522, 78.2092, 28.2204**, and the grayscale version is **31.0992, 32.7187, 35.6307**.

A 20% lighter version of the original color is **73.4780, 56.8559, 101.7093**, and **22.7340, 13.0722, 52.3639** is the 20% darker color. If you saturate the color by 10%, you get **42.3772, 25.1260, 93.8836**, and if you desaturate by 10%, it is **53.0529, 39.0662, 96.0116**.

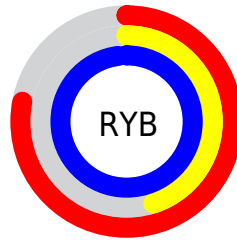
Distribution



Red (78%)

Green (45%)

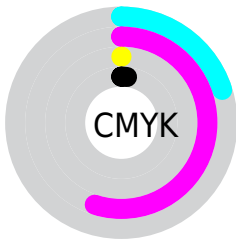
Blue (98%)



Red (78%)

Yellow (45%)

Blue (98%)

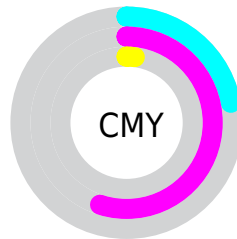


Cyan (20%)

Magenta (55%)

Yellow (0%)

Black (2%)



Cyan (22%)


Magenta (55%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.2493, 31.2790, 94.8139 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 47.2493, 31.2790, 94.8139 by changing the saturation by 10% instead.


 47.2493, 31.2790,
94.8139

 47.2493, 31.2790,
94.8139

366.4411,
307.8216, 564.5381


 33.4416, 20.8114,
71.3841

 85.3021, 61.6791,
156.0008

 22.6258, 12.9862,
52.1719


 110.2779, 82.3803,
194.5950

 14.4366, 7.4190,
36.7589


 139.7070,
107.2616, 239.0811

 8.5087, 3.7255,
24.7266

173.9549,
136.7072, 289.8775

 4.4766, 1.5212,
15.6563

213.3869,
171.1016, 347.4029

 1.9752, 0.3036,
9.1296

258.3684,

 0.6200, 0.0000,

210.8292, 412.0758

4.7278

309.2646,
256.2744, 484.3147

■ 0.0000, 0.0000,
2.0325

■ 0.0000, 0.0000,
0.5752

■ 47.2493, 31.2790,
94.8139

■ 47.2493, 31.2790,
94.8139

■ 42.3772, 25.1260,
93.8836

■ 53.0529, 39.0662,
96.0116

■ 38.3651, 20.4717,
93.1967

■ 59.8449, 48.6010,
97.4941

■ 35.1356, 17.1642,
92.7285

■ 67.6813, 59.9906,
99.2794

■ 32.5927, 15.0159,
92.4478

■ 76.6127, 73.3324,
101.3839

■ 31.4277, 14.1901,
92.3498

■ 86.6863, 88.7170,
103.8225

■ 94.4127, 99.7451,
105.5439

Harmonies

Analogous

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



35.7371, 31.2790, 129.5463



47.2493, 31.2790, 94.8139



54.7813, 31.2790, 50.9270

Triad

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



47.2493, 31.2790, 94.8139



35.1496, 31.2790, 2.8048



13.8708, 31.2790, 52.9090

Complementary

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



47.2493, 31.2790, 94.8139



53.0522, 78.2092, 28.2204

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.



13.7868, 31.2790, 21.3973



47.2493, 31.2790, 94.8139



24.4364, 31.2790, 2.8813

Square

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



47.2493, 31.2790, 94.8139



46.7303, 31.2790, 6.7320



17.1845, 31.2790, 7.1106



17.4513, 31.2790, 96.9984

Rectangle

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



47.2493, 31.2790, 94.8139



55.5906, 31.2790, 28.4369



17.1845, 31.2790, 7.1106



13.4682, 31.2790, 40.3738

Sweetspot

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



47.2505, 31.2802, 94.8146



78.0186, 73.9068, 104.7612



38.0834, 38.0043, 96.5956



16.2779, 15.1861, 22.3232



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.



47.2505, 31.2802, 94.8146



43.7117, 25.7832, 97.2805



60.7995, 38.5440, 82.8459



17.3302, 17.1829, 21.7885



16.6860, 7.5446, 48.5504



1.6625, 0.7591, 4.5021

Inverse Universe

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



52.5933, 35.2615, 39.6322



50.4152, 30.6792, 32.5220



45.4656, 74.1837, 33.0370



17.5118, 17.3321, 19.2849



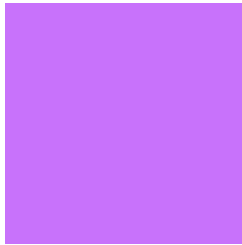
22.0251, 11.2258, 6.8409



2.0893, 1.0595, 0.8936

Previews

White Background



This preview shows how the XYZ color 47.2493, 31.2790, 94.8139 looks on a white background.

Color Contrast Check

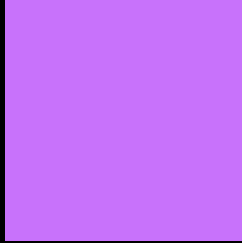
Large Text (above 18pt) WCAG AA × Fail

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 47.2493, 31.2790, 94.8139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

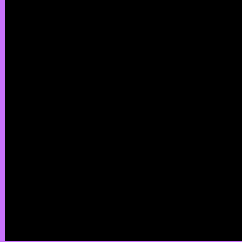
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.2493, 31.2790, 94.8139

Background



This preview shows how black text looks on a background with the XYZ color 47.2493, 31.2790, 94.8139.



This preview shows how white text looks on a background with the XYZ color 47.2493, 31.2790,

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

47.2493, 31.2790, 94.8139

Protanopia

34.7413, 31.7791, 98.9106

Deuteranopia

32.5515, 31.5802, 89.1740



Tritanopia

34.7312, 31.1809, 33.4661

Trichromacy



Original Color

47.2493, 31.2790, 94.8139



Protanomaly

37.5088, 30.3395, 97.6451



Deuteranomaly

35.8764, 30.0650, 91.1010



Tritanomaly

38.3211, 30.7676, 50.9327

Monochromacy



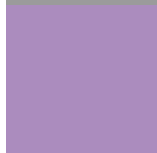
Original Color

47.2493, 31.2790, 94.8139



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

35.4669, 31.1318, 52.8549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2493, 31.2790, 94.8139 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(200, 114, 251)` looks like.

```
.text, #text, p{  
    color:rgb(200, 114, 251)  
}
```

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(200, 114, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 114, 251) }
```

Border

The CSS property to change the border of an element to XYZ 47.2493, 31.2790, 94.8139 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(200, 114, 251) }
```


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

```
.border{ border-color:rgb(200, 114, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 114, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 114, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 114, 251);  
box-shadow:4px 4px 4px 4px rgb(200, 114,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2493, 31.2790, 94.8139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 114, 251) }
```

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

```
.background{ background-color: rgb(200,  
114, 251) }
```

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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