

Converting Colors

XYZ(31.4901, 14.1856, 94.0081)

Have a look what the booklet for
XYZ(31.4901, 14.1856, 94.0081)
contains.

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Color

**XYZ(31.4399, 14.1598,
94.0045)**

Conversions

Conversions Part 1

Format	Color
Hex	9C00FD
RGB	156, 0, 253
RGB Percent	61%, 0%, 99%
CMY	0.3882, 1.0000, 0.0078
CMYK	0.38, 1.00, 0.00, 0.01
HSL	277°, 100%, 50%
HSV	277°, 100%, 99%
XYZ	31.4399, 14.1598, 94.0045
YIQ	75.4860, 11.7630, 111.7550

Conversions

Conversions Part 2

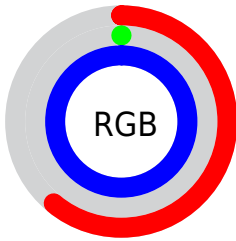
Format	Color
R _Y B	156, 0, 253
Decimal	10223869
CIE Lab	44.46, 85.19, -86.20
CIE LCh	44, 121.188, 314.662
Yxy	14.1598, 0.2252, 0.1014
Android (android.graphics.Color)	4288413949 (0xFF9C00FD)
YUV	75.4860, 87.5144, 70.6108
Hunter-Lab	37.6295, 83.2872, -121.7752

Details

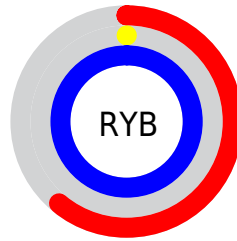
The XYZ color **31.4399, 14.1598, 94.0045** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **40.0548, 72.7920, 11.9392**, and the grayscale version is **6.6215, 6.9663, 7.5863**.

A 20% lighter version of the original color is **50.3716, 28.9418, 97.5392**, and **14.3645, 6.2673, 52.0824** is the 20% darker color. If you saturate the color by 10%, you get **31.4407, 14.1602, 94.0049**, and if you desaturate by 10%, it is **33.7476, 15.8751, 94.2143**.

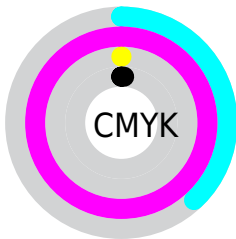
Distribution



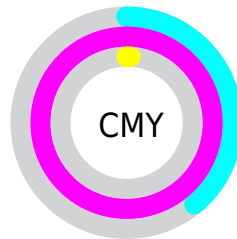
- Red (61%)
- Green (0%)
- Blue (99%)



- Red (61%)
- Yellow (0%)
- Blue (99%)



- Cyan (38%)
- Magenta (100%)
- Yellow (0%)
- Black (1%)





- Cyan (39%)
- Magenta (100%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4399, 14.1598, 94.0045 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 31.4399, 14.1598, 94.0045 by changing the saturation by 10% instead.

 31.4399, 14.1598,
94.0045

 31.4399, 14.1598,
94.0045

300.3507,
218.2227, 561.8758

 21.0875, 8.2319,
70.7144


 61.3031, 33.3723,
154.8723

 13.3008, 4.2437,
51.6288


 81.5447, 47.4257,
193.2870


 7.7144, 1.8108,
36.3290


 105.8134, 64.9563,
237.5804

 3.9630, 0.4939,
24.3967

 134.4745, 86.3487,
288.1710

 1.6812, 0.0000,
15.4133

 167.8934,
111.9871, 345.4773

 0.4445, 0.0000,
8.9601

 206.4355,

 0.0000, 0.0000,

142.2560, 409.9178

4.6187

250.4662,
177.5397, 481.9111

■ 0.0000, 0.0000,
1.9705

■ 0.0000, 0.0000,
0.5371

■ 31.4399, 14.1598,
94.0045

■ 31.4399, 14.1598,
94.0045

■ 31.4407, 14.1602,
94.0049

■ 33.7476, 15.8751,
94.2143

■ 36.6660, 18.5855,
94.5836

■ 40.3397, 22.5742,
95.1599

■ 44.8576, 28.0141,
95.9718

■ 50.2945, 35.0505,
97.0434

■ 56.7162, 43.8103,
98.3958

■ 64.1817, 54.4076,
100.0478

■ 72.7453, 66.9464,
102.0166

■ 82.4570, 81.5226,
104.3183

Harmonies

Analogous

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



18.7920, 14.1598, 147.8779



31.4399, 14.1598, 94.0045



40.8988, 14.1598, 34.4631

Triad

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



31.4399, 14.1598, 94.0045



19.0608, 14.1598, 0.0000



2.2407, 14.1598, 33.4254

Complementary

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



31.4399, 14.1598, 94.0045



40.0548, 72.7920, 11.9392

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.



2.2581, 14.1598, 5.1198



31.4399, 14.1598, 94.0045



9.2436, 14.1598, 0.0000

Square

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



31.4399, 14.1598, 94.0045



31.7167, 14.1598, 0.0000



4.1048, 14.1598, 0.0000



4.0342, 14.1598, 92.5142

Rectangle

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



31.4399, 14.1598, 94.0045



42.1848, 14.1598, 11.4474



4.1048, 14.1598, 0.0000



2.0785, 14.1598, 20.2137

Sweetspot

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



31.4408, 14.1602, 94.0049



65.3310, 55.3758, 101.8530



22.4029, 16.4382, 94.9209



13.2690, 10.8286, 21.6407



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.



31.4408, 14.1602, 94.0049



32.0009, 14.4119, 95.7029



54.4702, 26.4675, 75.4187



18.0787, 17.9323, 22.7584



16.8929, 7.6191, 50.0149



1.7668, 0.8047, 4.8755

Inverse Universe

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



42.6657, 21.7457, 13.2571



43.4334, 22.1374, 13.4805



35.3041, 70.3223, 12.6496



18.2976, 18.1023, 20.1841



22.7621, 11.5941, 7.3977



2.2676, 1.1494, 0.9907

Previews

White Background



This preview shows how the XYZ color 31.4399, 14.1598, 94.0045 looks on a white background.

Color Contrast Check

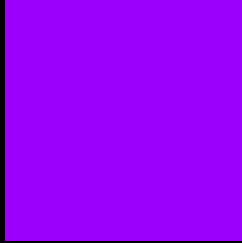
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 31.4399, 14.1598, 94.0045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

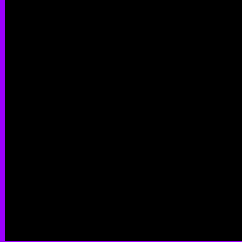
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.4399, 14.1598, 94.0045

Background



This preview shows how black text looks on a background with the XYZ color 31.4399, 14.1598, 94.0045.



This preview shows how white text looks on a background with the XYZ color 31.4399, 14.1598,

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

31.4399, 14.1598, 94.0045

Protanopia

17.2449, 14.6584, 66.8862

Deuteranopia

14.3316, 14.4824, 48.4944



Tritanopia

15.6675, 14.3999, 15.5894

Trichromacy



Original Color

31.4399, 14.1598, 94.0045



Protanomaly

17.7784, 10.4234, 75.2036



Deuteranomaly

15.4483, 9.7792, 62.0461



Tritanomaly

18.3520, 11.3766, 34.0295

Monochromacy



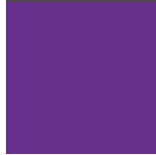
Original Color

31.4399, 14.1598, 94.0045



Achromatopsia

6.6877, 7.0360, 7.6622



Achromatomaly

11.4995, 6.9504, 25.5464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4399, 14.1598, 94.0045 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(156, 0, 253)` looks like.

```
.text, #text, p{  
    color:rgb(156, 0, 253)  
}
```

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(156, 0, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 0, 253) }
```

Border

The CSS property to change the border of an element to XYZ 31.4399, 14.1598, 94.0045 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(156, 0, 253) }
```


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

```
.border{ border-color:rgb(156, 0, 253) }
```

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

Here you see how a box with a 4 pixel rgb(156, 0, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 0, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 0, 253);  
box-shadow:4px 4px 4px 4px rgb(156, 0,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4399, 14.1598, 94.0045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 0, 253) }
```

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

```
.background{ background-color: rgb(156, 0,  
253) }
```

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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