

Converting Colors

XYZ(31.9056, 27.9436, 75.1252)

Have a look what the booklet for
XYZ(31.9056, 27.9436, 75.1252)
contains.

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Color

**XYZ(31.9105, 27.9501,
74.9472)**

Conversions

Conversions Part 1

Format	Color
Hex	8488E1
RGB	132, 136, 225
RGB Percent	52%, 53%, 88%
CMY	0.4823, 0.4667, 0.1176
CMYK	0.41, 0.40, 0.00, 0.12
HSL	237°, 61%, 70%
HSV	237°, 41%, 88%
XYZ	31.9105, 27.9501, 74.9472
YIQ	144.9500, -30.9530, 26.8310

Conversions

Conversions Part 2

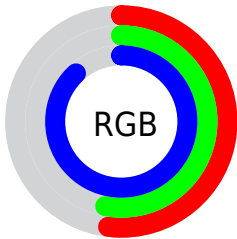
Format	Color
RYB	132, 136, 225
Decimal	8685793
CIELab	59.84, 20.60, -45.82
CIELCh	60, 50.240, 294.205
Yxy	27.9501, 0.2367, 0.2073
Android (android.graphics.Color)	4286875873 (0xFF8488E1)
YUV	144.9500, 39.4647, -11.3571
Hunter-Lab	52.8679, 15.2220, -47.0439

Details

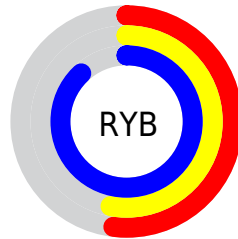
The XYZ color **31.9105, 27.9501, 74.9472** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **61.0739, 69.3881, 32.0056**, and the grayscale version is **26.7481, 28.1411, 30.6457**.

A 20% lighter version of the original color is **56.9866, 54.3066, 102.0864**, and **13.5498, 11.0979, 38.9641** is the 20% darker color. If you saturate the color by 10%, you get **26.0300, 20.8604, 73.8892**, and if you desaturate by 10%, it is **39.1610, 36.6513, 76.2451**.

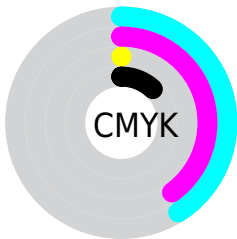
Distribution



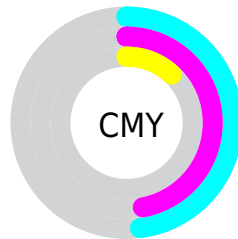
- Red (52%)
- Green (53%)
- Blue (88%)



- Red (52%)
- Yellow (53%)
- Blue (88%)



- Cyan (41%)
- Magenta (40%)
- Yellow (0%)
- Black (12%)



- Cyan (48%)
- Magenta (47%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9105, 27.9501, 74.9472 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 31.9105, 27.9501, 74.9472 by changing the saturation by 10% instead.

■ 31.9105, 27.9501,
74.9472

■ 31.9105, 27.9501,
74.9472

302.4639,
292.2284, 496.9866

■ 21.4484, 18.2880,
55.0682

■ 62.0369, 56.4048,
127.9840

■ 13.5665, 11.1570,
39.0573

■ 82.4319, 75.9662,
161.9789

■ 7.8994, 6.1725,
26.4962

■ 106.8685, 99.5961,
201.5161

■ 4.0819, 2.9503,
16.9661

135.7121,
127.6791, 247.0143

■ 1.7486, 1.1058,
10.0486

169.3281,
160.5994, 298.8919

■ 0.4864, 0.0000,
5.3252

208.0819,

■ 0.0000, 0.0000,

198.7414, 357.5674

2.3772

252.3387,
242.4896, 423.4595

■ 0.0000, 0.0000,
0.7740

■ 0.0000, 0.0000,
0.0000

■ 31.9105, 27.9501,
74.9472

■ 31.9105, 27.9501,
74.9472

■ 26.0300, 20.8604,
73.8892

■ 39.1610, 36.6513,
76.2451

■ 21.4304, 15.2803,
73.0546

■ 47.8569, 47.0513,
77.7942

■ 18.0170, 11.1013,
72.4279

■ 58.0716, 59.2348,
79.6075

■ 15.6808, 8.1988,
71.9908

■ 69.8730, 73.2800,
81.6964

■ 14.2925, 6.4265,
71.7218

■ 83.3246, 89.2604,
84.0720

■ 13.6957, 5.6463,
71.6027

■ 90.5907, 98.2163,
85.4177

Harmonies

Analogous

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



25.3482, 27.9501, 80.3699



31.9105, 27.9501, 74.9472



37.7901, 27.9501, 55.9048

Triad

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



31.9105, 27.9501, 74.9472



34.3926, 27.9501, 9.9267



16.1485, 27.9501, 27.0268

Complementary

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



31.9105, 27.9501, 74.9472



61.0739, 69.3881, 32.0056

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.



17.8181, 27.9501, 14.1817



31.9105, 27.9501, 74.9472



27.8217, 27.9501, 7.1747

Square

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



31.9105, 27.9501, 74.9472



39.3759, 27.9501, 18.1976



21.8538, 27.9501, 8.3412



16.8873, 27.9501, 47.1991

Rectangle

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



31.9105, 27.9501, 74.9472



40.1800, 27.9501, 41.0141



21.8538, 27.9501, 8.3412



16.4371, 27.9501, 21.8487

Sweetspot

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



31.9116, 27.9511, 74.9479



76.0337, 77.3694, 105.5341



49.4066, 63.9426, 77.6922



15.8715, 16.0801, 22.5172



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.



31.9116, 27.9511, 74.9479



35.2620, 28.5405, 98.2581



39.2653, 30.9217, 75.1337



12.9991, 13.3373, 17.2769



7.9136, 3.2968, 41.2676



0.5654, 0.2624, 2.8661

Inverse Universe

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



43.7475, 34.2890, 27.6061



53.1265, 38.2612, 26.7686



50.6552, 65.6029, 31.8241



13.7310, 13.7100, 14.3536



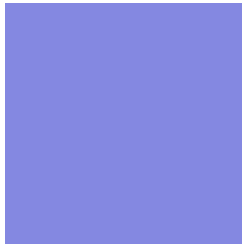
17.9346, 9.2409, 1.0556



1.2517, 0.6439, 0.1181

Previews

White Background



This preview shows how the XYZ color 31.9105, 27.9501, 74.9472 looks on a white background.

Color Contrast Check

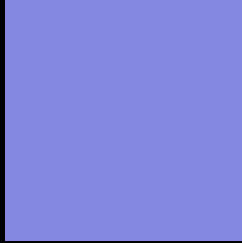
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 31.9105, 27.9501, 74.9472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

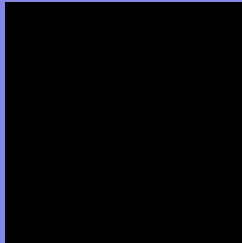
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.9105, 27.9501, 74.9472

Background



This preview shows how black text looks on a background with the XYZ color 31.9105, 27.9501, 74.9472.



This preview shows how white text looks on a background with the XYZ color 31.9105, 27.9501,

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

31.9105, 27.9501, 74.9472

Protanopia

30.0981, 28.0219, 77.9512

Deuteranopia

28.8861, 28.1578, 73.7246



Tritanopia

24.3829, 27.7811, 37.7954

Trichromacy



Original Color

31.9105, 27.9501, 74.9472

Protanomaly

30.7074, 27.9182, 77.1691

Deuteranomaly

29.9189, 28.0090, 74.3504

Tritanomaly

26.6510, 27.5448, 49.2594

Monochromacy



Original Color

31.9105, 27.9501, 74.9472

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

28.1282, 27.9774, 43.9621

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9105, 27.9501, 74.9472 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(132, 136, 225)` looks like.

```
.text, #text, p{  
    color:rgb(132, 136, 225)  
}
```

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(132, 136, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 136, 225) }
```

Border

The CSS property to change the border of an element to XYZ 31.9105, 27.9501, 74.9472 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(132, 136, 225) }
```


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

```
.border{ border-color:rgb(132, 136, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 136, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 136, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 136, 225);  
box-shadow:4px 4px 4px 4px rgb(132, 136,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9105, 27.9501, 74.9472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 136, 225) }
```

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

```
.background{ background-color: rgb(132,  
136, 225) }
```

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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