

Converting Colors

XYZ(31.4277, 24.2190, 75.6555)

Have a look what the booklet for
XYZ(31.4277, 24.2190, 75.6555)
contains.

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Color

**XYZ(31.4989, 24.2537,
75.6943)**

Conversions

Conversions Part 1

Format	Color
Hex	8E76E3
RGB	142, 118, 227
RGB Percent	56%, 46%, 89%
CMY	0.4431, 0.5372, 0.1098
CMYK	0.37, 0.48, 0.00, 0.11
HSL	253°, 66%, 68%
HSV	253°, 48%, 89%
XYZ	31.4989, 24.2537, 75.6943
YIQ	137.6020, -20.6850, 38.9870

Conversions

Conversions Part 2

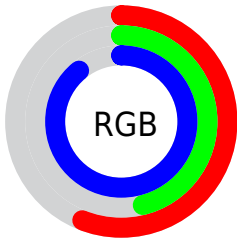
Format	Color
R _Y B	142, 118, 227
Decimal	9336547
CIE Lab	56.34, 34.20, -52.45
CIE LCh	56, 62.611, 303.105
Yxy	24.2537, 0.2396, 0.1845
Android (android.graphics.Color)	4287526627 (0xFF8E76E3)
YUV	137.6020, 44.0732, 3.8570
Hunter-Lab	49.2480, 27.9840, -56.6552

Details

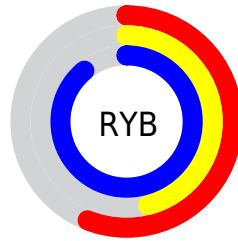
The XYZ color **31.4989, 24.2537, 75.6943** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **55.3677, 68.9429, 27.5293**, and the grayscale version is **23.8503, 25.0924, 27.3256**.

A 20% lighter version of the original color is **56.1661, 48.4879, 101.0066**, and **13.3166, 9.1750, 39.5972** is the 20% darker color. If you saturate the color by 10%, you get **26.3406, 18.0927, 74.7774**, and if you desaturate by 10%, it is **37.7846, 31.9514, 76.8493**.

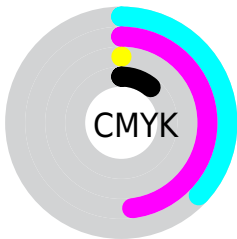
Distribution



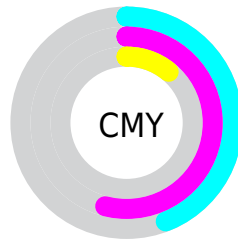
- Red (56%)
- Green (46%)
- Blue (89%)



- Red (56%)
- Yellow (46%)
- Blue (89%)



- Cyan (37%)
- Magenta (48%)
- Yellow (0%)
- Black (11%)



- Cyan (44%)
- Magenta (54%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4989, 24.2537, 75.6943 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 31.4989, 24.2537, 75.6943 by changing the saturation by 10% instead.

■ 31.4989, 24.2537,
75.6943

■ 31.4989, 24.2537,
75.6943

300.6162,
274.1006, 499.6195

■ 21.1327, 15.5219,
55.6767

■ 61.3952, 50.4439,
129.0508

■ 13.3341, 9.1865,
39.5415

■ 81.6560, 68.6711,
163.2268

■ 7.7376, 4.8630,
26.8702

■ 105.9458, 90.8322,
202.9594

■ 3.9779, 2.1671,
17.2442

134.6299,
117.3117, 248.6671

■ 1.6896, 0.7020,
10.2449

168.0736,
148.4938, 300.7684

■ 0.4498, 0.0000,
5.4539

206.6423,

■ 0.0000, 0.0000,

184.7631, 359.6819

2.4526

250.7014,
226.5039, 425.8261

■ 0.0000, 0.0000,
0.8149

■ 0.0000, 0.0000,
0.0000

■ 31.4989, 24.2537,
75.6943

■ 31.4989, 24.2537,
75.6943

■ 26.3406, 18.0927,
74.7774

■ 37.7846, 31.9514,
76.8493

■ 22.2372, 13.3602,
74.0803

■ 45.2582, 41.2785,
78.2557

■ 19.1118, 9.9378,
73.5844

■ 53.9793, 52.3235,
79.9279

■ 16.8749, 7.6863,
73.2677

■ 64.0026, 65.1678,
81.8789

■ 15.4085, 6.4142,
73.0995

■ 75.3794, 79.8873,
84.1204

■ 15.1799, 6.2238,
73.0748

■ 88.1581, 96.5536,
86.6638

■ 90.8652, 98.3261,
86.8632

Harmonies

Analogous

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



23.8127, 24.2537, 89.3505



31.4989, 24.2537, 75.6943



37.7869, 24.2537, 48.7929

Triad

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



31.4989, 24.2537, 75.6943



29.9220, 24.2537, 4.4493



11.7807, 24.2537, 28.6211

Complementary

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



31.4989, 24.2537, 75.6943



55.3677, 68.9429, 27.5293

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.



12.7534, 24.2537, 12.1939



31.4989, 24.2537, 75.6943



22.3085, 24.2537, 3.2763

Square

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



31.4989, 24.2537, 75.6943



36.7510, 24.2537, 10.0982



16.2694, 24.2537, 5.1392



13.2670, 24.2537, 54.6286

Rectangle

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



31.4989, 24.2537, 75.6943



39.7691, 24.2537, 31.4763



16.2694, 24.2537, 5.1392



11.8320, 24.2537, 21.9155

Sweetspot

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



31.4999, 24.2546, 75.6949



75.1893, 74.3968, 105.0049



42.7835, 52.2914, 80.5118



15.5045, 15.1709, 22.3610



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.



31.4999, 24.2546, 75.6949



34.0775, 23.3029, 97.3096



43.1395, 30.2550, 76.2396



13.8781, 14.0394, 18.1228



8.9345, 3.6718, 42.6210



0.7386, 0.3117, 3.1532

Inverse Universe

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



48.9368, 33.6001, 60.4055



59.7509, 37.0934, 73.4218



43.1129, 62.6253, 26.9558



14.8521, 14.5580, 17.4217



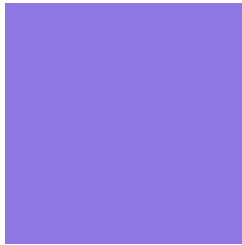
23.1494, 11.3940, 25.4796



1.7443, 0.8554, 2.0602

Previews

White Background



This preview shows how the XYZ color 31.4989, 24.2537, 75.6943 looks on a white background.

Color Contrast Check

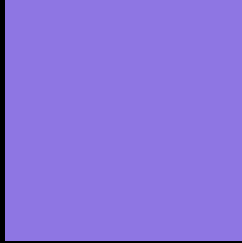
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4989, 24.2537, 75.6943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

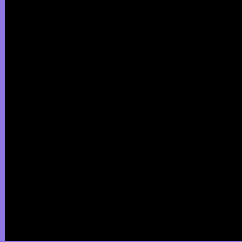
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.4989, 24.2537, 75.6943

Background



This preview shows how black text looks on a background with the XYZ color 31.4989, 24.2537, 75.6943.

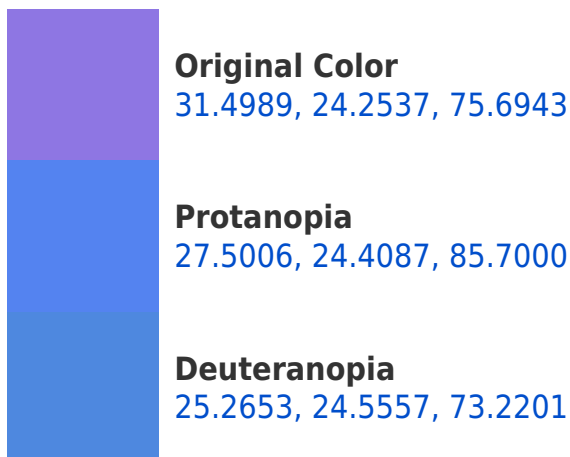


This preview shows how white text looks on a background with the XYZ color 31.4989, 24.2537,

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

22.6031, 24.3145, 31.5188

Trichromacy



Original Color

31.4989, 24.2537, 75.6943

Protanomaly

28.2819, 23.9231, 81.7243

Deuteranomaly

26.6716, 23.8490, 73.7186

Tritanomaly

25.2785, 23.9649, 44.8883

Monochromacy



Original Color

31.4989, 24.2537, 75.6943

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

26.0195, 24.6238, 41.4117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4989, 24.2537, 75.6943 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(142, 118, 227)` looks like.

```
.text, #text, p{  
    color:rgb(142, 118, 227)  
}
```

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(142, 118, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 118, 227) }
```

Border

The CSS property to change the border of an element to XYZ 31.4989, 24.2537, 75.6943 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(142, 118, 227) }
```


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

```
.border{ border-color:rgb(142, 118, 227) }
```

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

Here you see how a box with a 4 pixel rgb(142, 118, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 118, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 118, 227);  
box-shadow:4px 4px 4px 4px rgb(142, 118,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4989, 24.2537, 75.6943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 118, 227) }
```

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

```
.background{ background-color: rgb(142,  
118, 227) }
```

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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