

Converting Colors

XYZ(31.3262, 23.9124, 69.8900)

Have a look what the booklet for
XYZ(31.3262, 23.9124, 69.8900)
contains.

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Color

**XYZ(31.4260, 23.9948,
69.9930)**

Conversions

Conversions Part 1

Format	Color
Hex	9574DB
RGB	149, 116, 219
RGB Percent	58%, 45%, 86%
CMY	0.4157, 0.5451, 0.1412
CMYK	0.32, 0.47, 0.00, 0.14
HSL	259°, 59%, 66%
HSV	259°, 47%, 86%
XYZ	31.4260, 23.9948, 69.9930
YIQ	137.6090, -13.3950, 39.0290

Conversions

Conversions Part 2

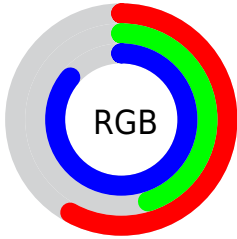
Format	Color
R_{YB}	149, 116, 219
Decimal	9794779
CIE _{Lab}	56.08, 35.04, -48.33
CIE _{LCh}	56, 59.695, 305.946
Yxy	23.9948, 0.2506, 0.1913
Android (android.graphics.Color)	4287984859 (0xFF9574DB)
YUV	137.6090, 40.1258, 9.9899
Hunter-Lab	48.9845, 28.7938, -50.4292

Details

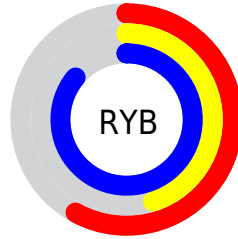
The XYZ color **31.4260, 23.9948, 69.9930** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **48.7339, 62.3635, 25.9925**, and the grayscale version is **23.8655, 25.1083, 27.3430**.

A 20% lighter version of the original color is **57.6916, 48.7177, 100.9705**, and **13.2341, 9.0383, 35.6974** is the 20% darker color. If you saturate the color by 10%, you get **26.6487, 18.2163, 69.1299**, and if you desaturate by 10%, it is **37.1472, 31.1439, 71.0718**.

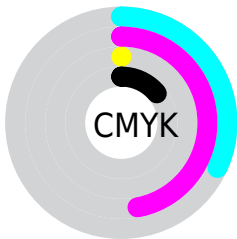
Distribution



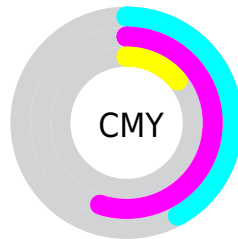
- Red (58%)
- Green (45%)
- Blue (86%)



- Red (58%)
- Yellow (45%)
- Blue (86%)



- Cyan (32%)
- Magenta (47%)
- Yellow (0%)
- Black (14%)



- Cyan (42%)
- Magenta (55%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4260, 23.9948, 69.9930 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 31.4260, 23.9948, 69.9930 by changing the saturation by 10% instead.

■ 31.4260, 23.9948,
69.9930

■ 31.4260, 23.9948,
69.9930

300.2881,
272.7942, 479.3139

■ 21.0769, 15.3298,
51.0441

■ 61.2814, 50.0217,
120.8798

■ 13.2930, 9.0511,
35.8667

■ 81.5185, 68.1524,
153.6547

■ 7.7090, 4.7746,
24.0424

■ 105.7821, 90.2070,
191.8754

■ 3.9595, 2.1156,
15.1526

134.4378,
116.5701, 235.9604

■ 1.6793, 0.6734,
8.7787

167.8509,
147.6260, 286.3282

■ 0.4432, 0.0000,
4.5023

206.3868,

■ 0.0000, 0.0000,

183.7590, 343.3973

1.9048

250.4107,
225.3536, 407.5864

■ 0.0000, 0.0000,
0.4958

■ 0.0000, 0.0000,
0.0000

■ 31.4260, 23.9948,
69.9930

■ 31.4260, 23.9948,
69.9930

■ 26.6487, 18.2163,
69.1299

■ 37.1472, 31.1439,
71.0718

■ 22.7570, 13.7141,
68.4660

■ 43.8601, 39.7440,
72.3780

■ 19.6899, 10.3859,
67.9852

■ 51.6125, 49.8722,
73.9243

■ 17.3762, 8.1114,
67.6681

■ 60.4483, 61.5993,
75.7222

■ 15.7263, 6.7349,
67.4894

■ 70.4084, 74.9918,
77.7823

■ 15.3242, 6.4229,
67.4504

■ 81.5320, 90.1123,
80.1145

■ 89.1220, 97.5521,
81.1505

■ 89.7863, 97.8945,
81.1816

Harmonies

Analogous

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



24.1953, 23.9948, 84.3094



31.4260, 23.9948, 69.9930



37.0395, 23.9948, 44.6719

Triad

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



31.4260, 23.9948, 69.9930



28.5950, 23.9948, 4.6223



12.0710, 23.9948, 30.2233

Complementary

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



31.4260, 23.9948, 69.9930



48.7339, 62.3635, 25.9925

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.



12.7853, 23.9948, 13.5893



31.4260, 23.9948, 69.9930



21.4716, 23.9948, 3.7215

Square

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



31.4260, 23.9948, 69.9930



35.1897, 23.9948, 9.6721



15.9273, 23.9948, 5.9634



13.7336, 23.9948, 55.0431

Rectangle

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



31.4260, 23.9948, 69.9930



38.5925, 23.9948, 28.8794



15.9273, 23.9948, 5.9634



12.0463, 23.9948, 23.5539

Sweetspot

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



31.4269, 23.9957, 69.9936



76.3305, 74.9851, 105.0583



37.6291, 44.1077, 73.5487



15.7799, 15.3129, 22.3739



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.



31.4269, 23.9957, 69.9936



37.9576, 26.1169, 97.6482



42.8828, 29.9014, 70.5297



12.7295, 12.8187, 16.4555



9.1879, 3.8607, 39.9993



0.6834, 0.2956, 2.5955

Inverse Universe

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



44.3222, 31.0967, 50.1205



58.5955, 37.5082, 64.6334



38.4575, 57.0658, 25.5116



13.4276, 13.2002, 15.5132



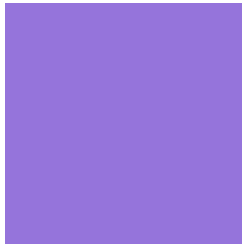
20.5828, 10.2342, 17.9810



1.3721, 0.6785, 1.3684

Previews

White Background



This preview shows how the XYZ color 31.4260, 23.9948, 69.9930 looks on a white background.

Color Contrast Check

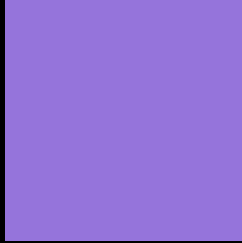
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4260, 23.9948, 69.9930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

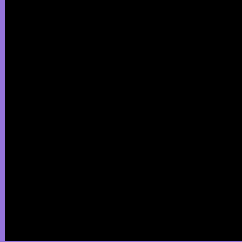
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.4260, 23.9948, 69.9930

Background



This preview shows how black text looks on a background with the XYZ color 31.4260, 23.9948, 69.9930.



This preview shows how white text looks on a background with the XYZ color 31.4260, 23.9948,

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

31.4260, 23.9948, 69.9930

Protanopia

26.9441, 24.2396, 80.3494

Deuteranopia

24.9542, 24.3089, 67.6668



Tritanopia

23.2531, 23.8570, 29.7649

Trichromacy



Original Color

31.4260, 23.9948, 69.9930



Protanomaly

28.0200, 23.9027, 76.5356



Deuteranomaly

26.5442, 23.7112, 68.1434



Tritanomaly

25.5875, 23.6080, 41.7363

Monochromacy



Original Color

31.4260, 23.9948, 69.9930



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

26.1130, 24.5061, 39.9131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4260, 23.9948, 69.9930 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(149, 116, 219)` looks like.

```
.text, #text, p{  
    color:rgb(149, 116, 219)  
}
```

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(149, 116, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 116, 219) }
```

Border

The CSS property to change the border of an element to XYZ 31.4260, 23.9948, 69.9930 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(149, 116, 219) }
```


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

```
.border{ border-color:rgb(149, 116, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 116, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 116, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 116, 219);  
box-shadow:4px 4px 4px 4px rgb(149, 116,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4260, 23.9948, 69.9930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 116, 219) }
```

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

```
.background{ background-color: rgb(149,  
116, 219) }
```

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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