

Converting Colors

XYZ(32.0005, 24.6495, 69.5412)

Have a look what the booklet for
XYZ(32.0005, 24.6495, 69.5412)
contains.

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Color

**XYZ(31.8958, 24.5981,
69.3965)**

Conversions

Conversions Part 1

Format	Color
Hex	9776DA
RGB	151, 118, 218
RGB Percent	59%, 46%, 85%
CMY	0.4078, 0.5372, 0.1451
CMYK	0.31, 0.46, 0.00, 0.15
HSL	260°, 57%, 66%
HSV	260°, 46%, 85%
XYZ	31.8958, 24.5981, 69.3965
YIQ	139.2670, -12.4320, 38.0960

Conversions

Conversions Part 2

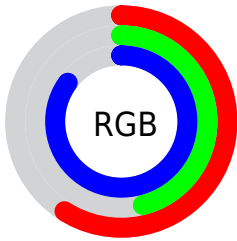
Format	Color
RYB	151, 118, 218
Decimal	9926362
CIELab	56.68, 34.17, -46.80
CIElCh	57, 57.952, 306.136
Yxy	24.5981, 0.2534, 0.1954
Android (android.graphics.Color)	4288116442 (0xFF9776DA)
YUV	139.2670, 38.8154, 10.2898
Hunter-Lab	49.5965, 28.0006, -48.2424

Details

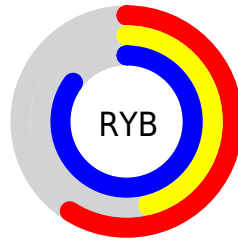
The XYZ color **31.8958, 24.5981, 69.3965** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **48.3494, 61.7655, 26.5140**, and the grayscale version is **24.5027, 25.7788, 28.0731**.

A 20% lighter version of the original color is **58.3450, 49.6112, 101.1085**, and **13.5795, 9.4063, 35.2823** is the 20% darker color. If you saturate the color by 10%, you get **27.0743, 18.7323, 68.5189**, and if you desaturate by 10%, it is **37.6482, 31.8253, 70.4887**.

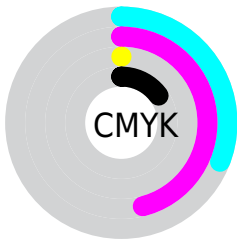
Distribution



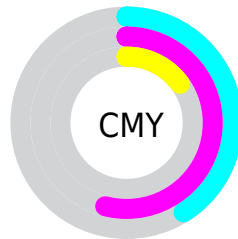
- Red (59%)
- Green (46%)
- Blue (85%)



- Red (59%)
- Yellow (46%)
- Blue (85%)



- Cyan (31%)
- Magenta (46%)
- Yellow (0%)
- Black (15%)



- Cyan (41%)
- Magenta (54%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8958, 24.5981, 69.3965 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 31.8958, 24.5981, 69.3965 by changing the saturation by 10% instead.

31.8958, 24.5981,
69.3965

31.8958, 24.5981,
69.3965

302.3980,
275.8305, 477.1599

21.4371, 15.7779,
50.5609

62.0140, 51.0045,
120.0207

13.5581, 9.3671,
35.4850

82.4042, 69.3594,
152.6465

7.8936, 4.9814,
23.7502

106.8356, 91.6614,
190.7061

4.0782, 2.2364,
14.9379

135.6735,
118.2948, 234.6180

1.7465, 0.7397,
8.6297

169.2834,
149.6440, 284.8008

0.4851, 0.0000,
4.4069

208.0305,

0.0000, 0.0000,

186.0934, 341.6730

1.8511

252.2803,
228.0275, 405.6532

■ 0.0000, 0.0000,
0.4614

■ 0.0000, 0.0000,
0.0000

■ 31.8958, 24.5981,
69.3965

■ 31.8958, 24.5981,
69.3965

■ 27.0743, 18.7323,
68.5189

■ 37.6482, 31.8253,
70.4887

■ 23.1272, 14.1358,
67.8397

■ 44.3778, 40.4919,
71.8069

■ 19.9958, 10.7094,
67.3434

■ 52.1309, 50.6735,
73.3635

■ 17.6116, 8.3369,
67.0111

■ 60.9501, 62.4392,
75.1697

■ 15.8924, 6.8760,
66.8197

■ 70.8752, 75.8541,
77.2359

■ 15.3232, 6.4375,
66.7651

■ 81.9442, 90.9793,
79.5720

■ 89.0117, 97.5104,
80.4601

■ 89.6550, 97.8420,
80.4902

Harmonies

Analogous

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



24.7941, 24.5981, 83.3197



31.8958, 24.5981, 69.3965



37.3655, 24.5981, 44.8043

Triad

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



31.8958, 24.5981, 69.3965



29.0315, 24.5981, 5.1472



12.7067, 24.5981, 30.9543

Complementary

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



31.8958, 24.5981, 69.3965



48.3494, 61.7655, 26.5140

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.



13.4085, 24.5981, 14.3873



31.8958, 24.5981, 69.3965



22.0202, 24.5981, 4.2219

Square

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



31.8958, 24.5981, 69.3965



35.5017, 24.5981, 10.3035



16.5329, 24.5981, 6.5864



14.3887, 24.5981, 55.2142

Rectangle

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



31.8958, 24.5981, 69.3965



38.8609, 24.5981, 29.3662



16.5329, 24.5981, 6.5864



12.6769, 24.5981, 24.3562

Sweetspot

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



31.8968, 24.5990, 69.3971



76.4411, 75.0422, 105.0635



37.7560, 44.1727, 72.8664



15.8067, 15.3267, 22.3752



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.



31.8968, 24.5990, 69.3971



38.8571, 27.0051, 97.7723



42.8644, 30.2531, 69.9104



12.7415, 12.8248, 16.4560



9.2817, 3.9091, 40.0037



0.6906, 0.2993, 2.5958

Inverse Universe

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



44.1493, 31.3658, 49.6263



58.8157, 38.0539, 64.3826



38.5497, 56.7136, 26.0553



13.4221, 13.1980, 15.4843



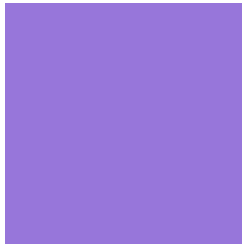
20.4848, 10.1950, 17.4649



1.3663, 0.6762, 1.3378

Previews

White Background



This preview shows how the XYZ color 31.8958, 24.5981, 69.3965 looks on a white background.

Color Contrast Check

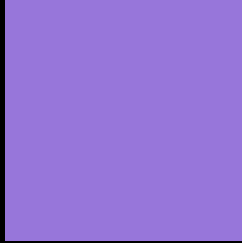
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.8958, 24.5981, 69.3965 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 31.8958, 24.5981, 69.3965

Background



This preview shows how black text looks on a background with the XYZ color 31.8958, 24.5981, 69.3965.



This preview shows how white text looks on a background with the XYZ color 31.8958, 24.5981,

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

31.8958, 24.5981, 69.3965

Protanopia

27.4672, 24.9284, 79.7079

Deuteranopia

25.4560, 24.7905, 67.0617



Tritanopia

24.0913, 24.6906, 30.2841

Trichromacy



Original Color

31.8958, 24.5981, 69.3965

Protanomaly

28.5237, 24.5618, 75.9106

Deuteranomaly

27.0554, 24.1842, 67.5320

Tritanomaly

26.4520, 24.4299, 42.3510

Monochromacy



Original Color

31.8958, 24.5981, 69.3965

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

26.5119, 24.8994, 40.4545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8958, 24.5981, 69.3965 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(151, 118, 218)` looks like.

```
.text, #text, p{  
    color:rgb(151, 118, 218)  
}
```

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(151, 118, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 118, 218) }
```

Border

The CSS property to change the border of an element to XYZ 31.8958, 24.5981, 69.3965 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(151, 118, 218) }
```


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

```
.border{ border-color:rgb(151, 118, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 118, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 118, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 118, 218);  
box-shadow:4px 4px 4px 4px rgb(151, 118,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8958, 24.5981, 69.3965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 118, 218) }
```

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

```
.background{ background-color: rgb(151,  
118, 218) }
```

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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