

Converting Colors

XYZ(31.9094, 25.0179, 68.3273)

Have a look what the booklet for
XYZ(31.9094, 25.0179, 68.3273)
contains.

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Color

**XYZ(31.8736, 24.9701,
68.1055)**

Conversions

Conversions Part 1

Format	Color
Hex	9778D8
RGB	151, 120, 216
RGB Percent	59%, 47%, 85%
CMY	0.4078, 0.5294, 0.1529
CMYK	0.30, 0.44, 0.00, 0.15
HSL	259°, 55%, 66%
HSV	259°, 44%, 85%
XYZ	31.8736, 24.9701, 68.1055
YIQ	140.2130, -12.3400, 36.4280

Conversions

Conversions Part 2

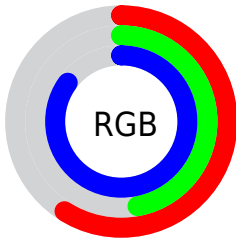
Format	Color
RYB	151, 120, 216
Decimal	9926872
CIELab	57.05, 32.52, -45.10
CIELCh	57, 55.604, 305.796
Yxy	24.9701, 0.2551, 0.1998
Android (android.graphics.Color)	4288116952 (0xFF9778D8)
YUV	140.2130, 37.3630, 9.4602
Hunter-Lab	49.9701, 26.4092, -45.8288

Details

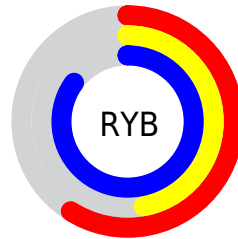
The XYZ color **31.8736, 24.9701, 68.1055** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **47.9540, 60.7825, 26.9749**, and the grayscale version is **24.8735, 26.1689, 28.4979**.

A 20% lighter version of the original color is **58.7257, 50.3725, 101.2354**, and **13.6160, 9.6211, 34.8576** is the 20% darker color. If you saturate the color by 10%, you get **27.0150, 19.0347, 67.2164**, and if you desaturate by 10%, it is **37.6567, 32.2527, 69.2068**.

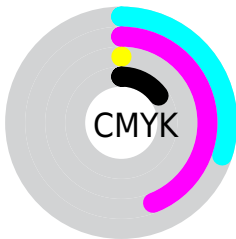
Distribution



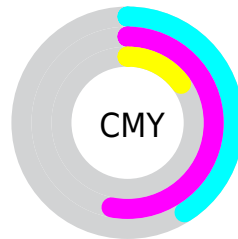
- Red (59%)
- Green (47%)
- Blue (85%)



- Red (59%)
- Yellow (47%)
- Blue (85%)



- Cyan (30%)
- Magenta (44%)
- Yellow (0%)
- Black (15%)



- Cyan (41%)
- Magenta (53%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8736, 24.9701, 68.1055 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 31.8736, 24.9701, 68.1055 by changing the saturation by 10% instead.

■ 31.8736, 24.9701,
68.1055

■ 31.8736, 24.9701,
68.1055

302.2986,
277.6890, 472.4779

■ 21.4201, 16.0548,
49.5163

■ 61.9794, 51.6087,
118.1587

■ 13.5456, 9.5629,
34.6608

■ 82.3624, 70.1008,
150.4598

■ 7.8849, 5.1101,
23.1202

■ 106.7859, 92.5539,
188.1687

■ 4.0726, 2.3120,
14.4762

135.6153,
119.3525, 231.7038

■ 1.7433, 0.7801,
8.3101

169.2159,
150.8809, 281.4838

■ 0.4831, 0.0000,
4.2034

207.9530,

■ 0.0000, 0.0000,

187.5235, 337.9271

1.7376

252.1922,
229.6647, 401.4523

■ 0.0000, 0.0000,
0.3863

■ 0.0000, 0.0000,
0.0000

■ 31.8736, 24.9701,
68.1055

■ 31.8736, 24.9701,
68.1055

■ 27.0150, 19.0347,
67.2164

■ 37.6567, 32.2527,
69.2068

■ 23.0259, 14.3576,
66.5239

■ 44.4092, 40.9580,
70.5312


■ 19.8494, 10.8433,
66.0130


■ 52.1765, 51.1591,
72.0909


■ 17.4196, 8.3807,
65.6657


■ 61.0000, 62.9234,
73.8966


 15.6582, 6.8355,
65.4603

 70.9188, 76.3139,
75.9584

 14.9027, 6.2508,
65.3872

 81.9700, 91.3902,
78.2860

 88.8001, 97.4313,
79.0920

 89.3947, 97.7379,
79.1199

Harmonies

Analogous

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



25.0258, 24.9701, 81.0560



31.8736, 24.9701, 68.1055



37.1484, 24.9701, 44.7863

Triad

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



31.8736, 24.9701, 68.1055



29.2709, 24.9701, 5.7940



13.2928, 24.9701, 30.9890

Complementary

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



31.8736, 24.9701, 68.1055



47.9540, 60.7825, 26.9749

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.



14.0129, 24.9701, 14.9352



31.8736, 24.9701, 68.1055



22.4861, 24.9701, 4.7940

Square

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



31.8736, 24.9701, 68.1055



35.4629, 24.9701, 11.0965



17.1124, 24.9701, 7.1907



14.9256, 24.9701, 54.1580

Rectangle

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



31.8736, 24.9701, 68.1055



38.6118, 24.9701, 29.9148



17.1124, 24.9701, 7.1907



13.2722, 24.9701, 24.6325

Sweetspot

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



31.8746, 24.9710, 68.1061



77.5906, 76.6317, 105.3097



37.6159, 43.9012, 71.4574



16.0304, 15.6381, 22.4235



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.



31.8746, 24.9710, 68.1061



39.9539, 28.4556, 97.9944



42.5061, 30.4518, 68.6036



12.1164, 12.2014, 15.6540



8.9214, 3.7516, 38.7071



0.6236, 0.2704, 2.3386

Inverse Universe

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



43.7929, 31.5354, 49.6780



59.7411, 39.3779, 66.3147



38.3619, 55.8376, 26.5260



12.7745, 12.5613, 14.7527



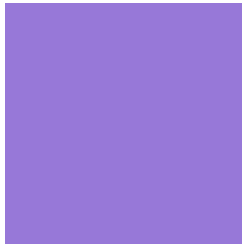
19.8956, 9.8946, 17.2863



1.2371, 0.6116, 1.2382

Previews

White Background



This preview shows how the XYZ color 31.8736, 24.9701, 68.1055 looks on a white background.

Color Contrast Check

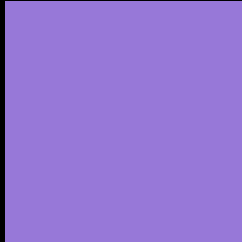
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.8736, 24.9701, 68.1055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

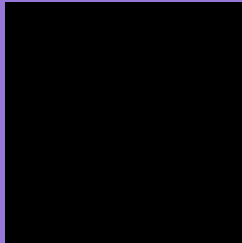
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.8736, 24.9701, 68.1055

Background



This preview shows how black text looks on a background with the XYZ color 31.8736, 24.9701, 68.1055.



This preview shows how white text looks on a background with the XYZ color 31.8736, 24.9701,

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

31.8736, 24.9701, 68.1055

Protanopia

27.7050, 25.3040, 77.5527

Deuteranopia

25.8663, 25.2415, 65.7961



Tritanopia

24.3090, 25.0020, 30.7388

Trichromacy



Original Color

31.8736, 24.9701, 68.1055

Protanomaly

28.6409, 24.8642, 73.8107

Deuteranomaly

27.4627, 24.8186, 66.2938

Tritanomaly

26.4886, 24.6563, 41.8911

Monochromacy



Original Color

31.8736, 24.9701, 68.1055

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

26.9570, 25.5315, 40.5531

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8736, 24.9701, 68.1055 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, 120, 216)` looks like.

```
.text, #text, p{  
    color:rgb(151, 120, 216)  
}
```

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, 120, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 120, 216) }
```

Border

The CSS property to change the border of an element to XYZ 31.8736, 24.9701, 68.1055 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, 120, 216) }
```


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

```
.border{ border-color:rgb(151, 120, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 120, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 120, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 120, 216);  
box-shadow:4px 4px 4px 4px rgb(151, 120,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8736, 24.9701, 68.1055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 120, 216) }
```

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

```
.background{ background-color: rgb(151,  
120, 216) }
```

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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