

Converting Colors

XYZ(31.8252, 22.9026, 72.5258)

Have a look what the booklet for
XYZ(31.8252, 22.9026, 72.5258)
contains.

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Color

**XYZ(31.8187, 22.8251,
72.5407)**

Conversions

Conversions Part 1

Format	Color
Hex	996CDF
RGB	153, 108, 223
RGB Percent	60%, 42%, 87%
CMY	0.4000, 0.5765, 0.1255
CMYK	0.31, 0.52, 0.00, 0.13
HSL	263°, 64%, 65%
HSV	263°, 52%, 87%
XYZ	31.8187, 22.8251, 72.5407
YIQ	134.5650, -10.0950, 45.3050

Conversions

Conversions Part 2

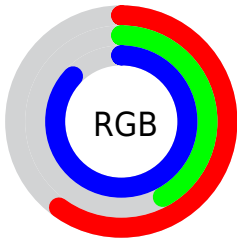
Format	Color
RYB	153, 108, 223
Decimal	10054879
CIELab	54.89, 41.61, -52.45
CIELCh	55, 66.951, 308.425
Yxy	22.8251, 0.2502, 0.1795
Android (android.graphics.Color)	4288244959 (0xFF996CDF)
YUV	134.5650, 43.5985, 16.1675
Hunter-Lab	47.7756, 35.2742, -56.5808

Details

The XYZ color **31.8187, 22.8251, 72.5407** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **47.4547, 63.3234, 23.9095**, and the grayscale version is **22.7157, 23.8987, 26.0257**.

A 20% lighter version of the original color is **57.3732, 46.4114, 100.5421**, and **13.5760, 8.5146, 37.4872** is the 20% darker color. If you saturate the color by 10%, you get **27.3428, 17.4619, 71.7418**, and if you desaturate by 10%, it is **37.1894, 29.5430, 73.5548**.

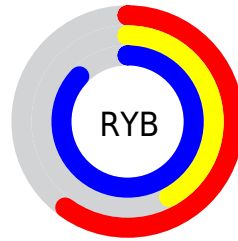
Distribution



Red (60%)

Green (42%)

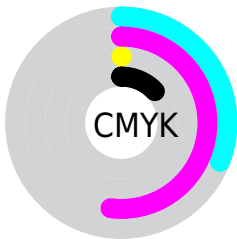
Blue (87%)



Red (60%)

Yellow (42%)

Blue (87%)

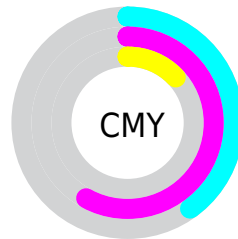


Cyan (31%)

Magenta (52%)

Yellow (0%)

Black (13%)



Cyan (40%)

Magenta (58%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8187, 22.8251, 72.5407 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 31.8187, 22.8251, 72.5407 by changing the saturation by 10% instead.

31.8187, 22.8251,
72.5407

31.8187, 22.8251,
72.5407

302.0525,
266.8254, 488.4494

21.3779, 14.4644,
53.1109

61.8939, 48.1060,
124.5398

13.5146, 8.4444,
37.5030

82.2590, 65.7950,
157.9463

7.8633, 4.3806,
25.2984

106.6629, 87.3622,
196.8487

4.0586, 1.8887,
16.0784

135.4711,
113.1920, 241.6656

1.7354, 0.5415,
9.4247

169.0487,
143.6689, 292.8156

0.4783, 0.0000,
4.9187

207.7613,

0.0000, 0.0000,

179.1771, 350.7173

2.1417

251.9741,
220.1012, 415.7890

■ 0.0000, 0.0000,
0.6404

■ 0.0000, 0.0000,
0.0000

■ 31.8187, 22.8251,
72.5407

■ 31.8187, 22.8251,
72.5407

■ 27.3428, 17.4619,
71.7418

■ 37.1894, 29.5430,
73.5548

■ 23.7022, 13.3521,
71.1404

■ 43.5031, 37.7016,
74.7968

■ 20.8339, 10.3840,
70.7187

■ 50.8077, 47.3826,
76.2804

■ 18.6627, 8.4231,
70.4547

■ 59.1470, 58.6606,
78.0177

■ 17.2746, 7.3667,
70.3239

■ 68.5618, 71.6053,
80.0201

■ 79.0907, 86.2824,
82.2981

■ 87.7974, 96.8076,
83.8708

■ 90.3194, 98.1077,
83.9888

Harmonies

Analogous

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



23.8518, 22.8251, 91.0952



31.8187, 22.8251, 72.5407



37.8410, 22.8251, 43.0978

Triad

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



31.8187, 22.8251, 72.5407



27.3720, 22.8251, 2.9350



10.4249, 22.8251, 31.3296

Complementary

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



31.8187, 22.8251, 72.5407



47.4547, 63.3234, 23.9095

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.



10.9521, 22.8251, 12.6570



31.8187, 22.8251, 72.5407



19.6715, 22.8251, 2.3901

Square

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



31.8187, 22.8251, 72.5407



34.8935, 22.8251, 7.1311



13.9841, 22.8251, 4.6238



12.3309, 22.8251, 59.8554

Rectangle

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



31.8187, 22.8251, 72.5407



39.2992, 22.8251, 25.9919



13.9841, 22.8251, 4.6238



10.3341, 22.8251, 23.7472

Sweetspot

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



31.8196, 22.8259, 72.5412



75.9857, 73.8256, 104.8526



35.6076, 40.7233, 75.7961



15.7478, 15.1031, 22.3351



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.



31.8196, 22.8259, 72.5412



36.5675, 23.0981, 97.1388



45.1422, 29.6940, 73.1647



13.4568, 13.5035, 17.2849



10.2753, 4.3924, 41.3546



0.8106, 0.3552, 2.8711

Inverse Universe

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



43.8302, 29.6280, 45.5279



55.1459, 33.6471, 54.1177



37.0387, 57.9537, 23.4220



14.0559, 13.8400, 16.0648



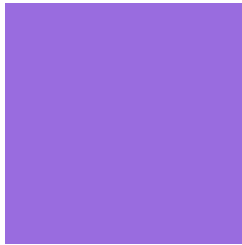
20.5522, 10.2879, 14.8394



1.4681, 0.7305, 1.2581

Previews

White Background



This preview shows how the XYZ color 31.8187, 22.8251, 72.5407 looks on a white background.

Color Contrast Check

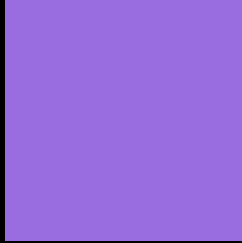
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.8187, 22.8251, 72.5407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

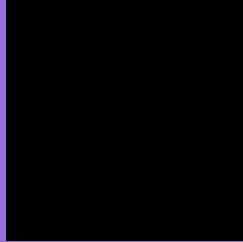
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.8187, 22.8251, 72.5407

Background



This preview shows how black text looks on a background with the XYZ color 31.8187, 22.8251, 72.5407.



This preview shows how white text looks on a background with the XYZ color 31.8187, 22.8251,

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

31.8187, 22.8251, 72.5407

Protanopia

26.4938, 23.2656, 87.0987

Deuteranopia

23.8078, 23.0603, 69.5260



Tritanopia

22.8270, 22.8830, 27.6398

Trichromacy



Original Color

31.8187, 22.8251, 72.5407

Protanomaly

27.3123, 22.4977, 81.5002

Deuteranomaly

25.5947, 22.2168, 70.6494

Tritanomaly

25.4208, 22.4167, 41.0172

Monochromacy



Original Color

31.8187, 22.8251, 72.5407

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

25.4640, 23.2080, 39.6967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8187, 22.8251, 72.5407 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(153, 108, 223)` looks like.

```
.text, #text, p{  
    color:rgb(153, 108, 223)  
}
```

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(153, 108, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 108, 223) }
```

Border

The CSS property to change the border of an element to XYZ 31.8187, 22.8251, 72.5407 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(153, 108, 223) }
```


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

```
.border{ border-color:rgb(153, 108, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 108, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 108, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 108, 223);  
box-shadow:4px 4px 4px 4px rgb(153, 108,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8187, 22.8251, 72.5407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 108, 223) }
```

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

```
.background{ background-color: rgb(153,  
108, 223) }
```

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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