

Converting Colors

XYZ(31.7637, 22.7668, 82.0615)

Have a look what the booklet for
XYZ(31.7637, 22.7668, 82.0615)
contains.

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Color

**XYZ(31.7643, 22.7442,
82.0728)**

Conversions

Conversions Part 1

Format	Color
Hex	8E6DEC
RGB	142, 109, 236
RGB Percent	56%, 43%, 93%
CMY	0.4431, 0.5725, 0.0745
CMYK	0.40, 0.54, 0.00, 0.07
HSL	256°, 77%, 68%
HSV	256°, 54%, 93%
XYZ	31.7643, 22.7442, 82.0728
YIQ	133.3450, -21.0990, 46.4930

Conversions

Conversions Part 2

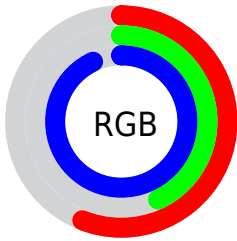
Format	Color
RYB	142, 109, 236
Decimal	9334252
CIELab	54.81, 41.77, -59.93
CIELCh	55, 73.055, 304.876
Yxy	22.7442, 0.2326, 0.1665
Android (android.graphics.Color)	4287524332 (0xFF8E6DEC)
YUV	133.3450, 50.6089, 7.5904
Hunter-Lab	47.6909, 35.4301, -68.6505

Details

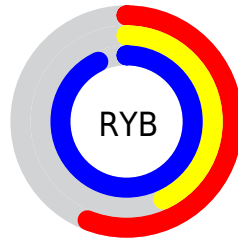
The XYZ color **31.7643, 22.7442, 82.0728** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **57.3842, 73.7917, 25.6873**, and the grayscale version is **22.2476, 23.4062, 25.4894**.

A 20% lighter version of the original color is **54.6143, 44.9891, 100.4130**, and **13.4989, 8.4177, 43.5611** is the 20% darker color. If you saturate the color by 10%, you get **26.8106, 16.9418, 81.2144**, and if you desaturate by 10%, it is **37.8653, 30.1416, 83.1796**.

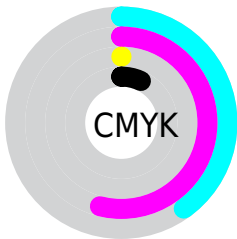
Distribution



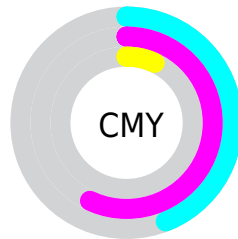
- Red (56%)
- Green (43%)
- Blue (93%)



- Red (56%)
- Yellow (43%)
- Blue (93%)



- Cyan (40%)
- Magenta (54%)
- Yellow (0%)
- Black (7%)



- Cyan (44%)
- Magenta (57%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7643, 22.7442, 82.0728 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 31.7643, 22.7442, 82.0728 by changing the saturation by 10% instead.

■ 31.7643, 22.7442,
82.0728

■ 31.7643, 22.7442,
82.0728

301.8086,
266.4084, 521.7810

■ 21.3362, 14.4047,
60.8894

■ 61.8091, 47.9730,
138.1137

■ 13.4838, 8.4027,
43.7059

■ 82.1565, 65.6311,
173.8082

■ 7.8418, 4.3537,
30.1039

■ 106.5411, 87.1641,
215.1769

■ 4.0449, 1.8733,
19.6647

■ 135.3281,
112.9566, 262.6382

■ 1.7275, 0.5323,
11.9699

168.8831,
143.3929, 316.6108

■ 0.4734, 0.0000,
6.6009

207.5712,

■ 0.0000, 0.0000,

178.8574, 377.5131

3.1392

251.7579,
219.7344, 445.7636

■ 0.0000, 0.0000,
1.1661

■ 0.0000, 0.0000,
0.0000

■ 31.7643, 22.7442,
82.0728

■ 31.7643, 22.7442,
82.0728

■ 26.8106, 16.9418,
81.2144

■ 37.8653, 30.1416,
83.1796

■ 22.9241, 12.6100,
80.5831

■ 45.1803, 39.2409,
84.5503

■ 20.0179, 9.6091,
80.1570

■ 53.7742, 50.1419,
86.2015

■ 17.9882, 7.7696,
79.9089

■ 63.7063, 62.9364,
88.1476

■ 17.0851, 7.0587,
79.8193

■ 75.0320, 77.7096,
90.4022

■ 87.8035, 94.5415,
92.9779

■ 92.1404, 98.8362,
93.5783

Harmonies

Analogous

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



22.9642, 22.7442, 100.7222



31.7643, 22.7442, 82.0728



38.9383, 22.7442, 48.8422

Triad

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



31.7643, 22.7442, 82.0728



28.9011, 22.7442, 2.3824



9.5461, 22.7442, 28.7390

Complementary

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



31.7643, 22.7442, 82.0728



57.3842, 73.7917, 25.6873

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.



10.3888, 22.7442, 10.2784



31.7643, 22.7442, 82.0728



20.3248, 22.7442, 1.6301

Square

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



31.7643, 22.7442, 82.0728



37.0174, 22.7442, 7.0497



13.9008, 22.7442, 3.2672



11.2196, 22.7442, 59.8761

Rectangle

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



31.7643, 22.7442, 82.0728



41.0580, 22.7442, 28.9511



13.9008, 22.7442, 3.2672



9.5495, 22.7442, 21.0025

Sweetspot

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



31.7653, 22.7450, 82.0734



73.1370, 71.3902, 104.5327



43.0999, 52.6126, 87.2410



15.1181, 14.5882, 22.2689



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.



31.7653, 22.7450, 82.0734



31.2094, 19.3380, 96.6954



45.5799, 29.8667, 82.7199



14.5982, 14.7381, 18.9976



9.5201, 3.9437, 44.0024



0.8351, 0.3548, 3.4593

Inverse Universe

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



50.8404, 33.0824, 60.2048



56.7078, 33.1963, 65.6582



43.6983, 66.7364, 25.0468



15.5379, 15.2430, 18.1181



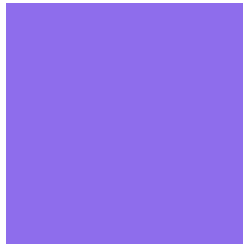
23.3710, 11.5511, 23.5527



1.8741, 0.9226, 2.0543

Previews

White Background



This preview shows how the XYZ color 31.7643, 22.7442, 82.0728 looks on a white background.

Color Contrast Check

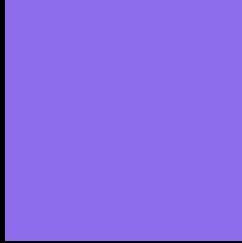
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.7643, 22.7442, 82.0728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

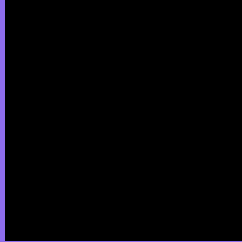
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.7643, 22.7442, 82.0728

Background



This preview shows how black text looks on a background with the XYZ color 31.7643, 22.7442, 82.0728.



This preview shows how white text looks on a background with the XYZ color 31.7643, 22.7442,

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

31.7643, 22.7442, 82.0728

Protanopia

27.0543, 23.1467, 96.8078

Deuteranopia

23.8500, 23.0801, 78.7992



Tritanopia

21.0912, 22.7513, 29.2664

Trichromacy



Original Color

31.7643, 22.7442, 82.0728



Protanomaly

27.4355, 22.1746, 90.8298



Deuteranomaly

25.2239, 22.0040, 80.0085



Tritanomaly

24.0456, 22.1788, 44.6086

Monochromacy



Original Color

31.7643, 22.7442, 82.0728



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

24.6167, 22.5518, 41.0857

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7643, 22.7442, 82.0728 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, 109, 236)` looks like.

```
.text, #text, p{  
    color:rgb(142, 109, 236)  
}
```

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, 109, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 109, 236) }
```

Border

The CSS property to change the border of an element to XYZ 31.7643, 22.7442, 82.0728 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, 109, 236) }
```


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

```
.border{ border-color:rgb(142, 109, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 109, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(142, 109, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(142, 109, 236); box-shadow:4px 4px 4px 4px rgb(142, 109, 236) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7643, 22.7442, 82.0728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 109, 236) }
```

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

```
.background{ background-color: rgb(142,  
109, 236) }
```

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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