

Converting Colors

XYZ(31.3906, 20.1285, 74.1217)

Have a look what the booklet for
XYZ(31.3906, 20.1285, 74.1217)
contains.

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Color

**XYZ(31.3732, 20.1413,
74.1856)**

Conversions

Conversions Part 1

Format	Color
Hex	9D5BE2
RGB	157, 91, 226
RGB Percent	62%, 36%, 89%
CMY	0.3843, 0.6431, 0.1137
CMYK	0.31, 0.60, 0.00, 0.11
HSL	269°, 70%, 62%
HSV	269°, 60%, 89%
XYZ	31.3732, 20.1413, 74.1856
YIQ	126.1240, -3.9990, 55.9770

Conversions

Conversions Part 2

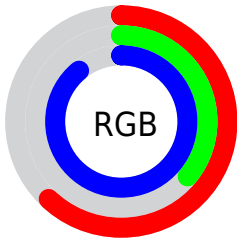
Format	Color
RYB	157, 91, 226
Decimal	10312674
CIELab	52.00, 52.46, -58.75
CIELCh	52, 78.765, 311.762
Yxy	20.1413, 0.2496, 0.1602
Android (android.graphics.Color)	4288502754 (0xFF9D5BE2)
YUV	126.1240, 49.2389, 27.0783
Hunter-Lab	44.8791, 46.2440, -66.5917

Details

The XYZ color **31.3732, 20.1413, 74.1856** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **43.5821, 62.6219, 19.6883**, and the grayscale version is **19.7130, 20.7396, 22.5855**.

A 20% lighter version of the original color is **56.0476, 41.6136, 99.6859**, and **13.2367, 7.0626, 38.6958** is the 20% darker color. If you saturate the color by 10%, you get **27.5760, 15.7350, 73.5356**, and if you desaturate by 10%, it is **35.9668, 25.8220, 75.0404**.

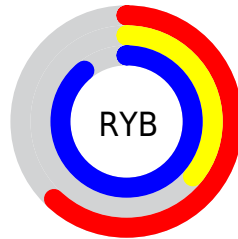
Distribution



Red (62%)

Green (36%)

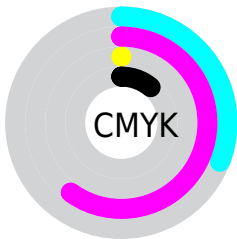
Blue (89%)



Red (62%)

Yellow (36%)

Blue (89%)

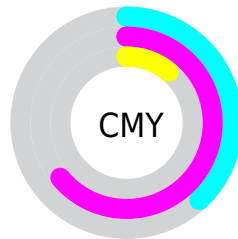


Cyan (31%)

Magenta (60%)

Yellow (0%)

Black (11%)



Cyan (38%)

Magenta (64%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3732, 20.1413, 74.1856 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 31.3732, 20.1413, 74.1856 by changing the saturation by 10% instead.

■ 31.3732, 20.1413,
74.1856

■ 31.3732, 20.1413,
74.1856

300.0503,
252.6790, 494.2942

■ 21.0364, 12.4978,
54.4483

■ 61.1990, 43.6540,
126.8953

■ 13.2632, 7.0837,
38.5645

■ 81.4188, 60.2919,
160.7048

■ 7.6883, 3.5145,
26.1159

■ 105.6635, 80.6968,
200.0421

■ 3.9463, 1.4059,
16.6838

■ 134.2987,
105.2530, 245.3257

■ 1.6718, 0.2210,
9.8498

167.6896,
134.3449, 296.9742

■ 0.4385, 0.0000,
5.1952

206.2016,

■ 0.0000, 0.0000,

168.3570, 355.4060

2.3015

250.2000,
207.6736, 421.0399

■ 0.0000, 0.0000,
0.7320

■ 0.0000, 0.0000,
0.0000

■ 31.3732, 20.1413,
74.1856

■ 31.3732, 20.1413,
74.1856

■ 27.5760, 15.7350,
73.5356

■ 35.9668, 25.8220,
75.0404

■ 24.5126, 12.4898,
73.0707

■ 41.4071, 32.8724,
76.1145

■ 22.1137, 10.2751,
72.7696

■ 47.7429, 41.3811,
77.4229

■ 20.2644, 8.8706,
72.5960

■ 55.0183, 51.4283,
78.9788

■ 20.2193, 8.8376,
72.5920

■ 63.2742, 63.0885,
80.7943

■ 72.5489, 76.4308,
82.8808

■ 82.8786, 91.5207,
85.2490

■ 88.7008, 97.2262,
86.0434

■ 90.7275, 98.2710,
86.1382

Harmonies

Analogous

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



22.4654, 20.1413, 99.9088



31.3732, 20.1413, 74.1856



37.8624, 20.1413, 38.8770

Triad

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



31.3732, 20.1413, 74.1856



24.3917, 20.1413, 1.0394



7.6604, 20.1413, 32.2313

Complementary

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



31.3732, 20.1413, 74.1856



43.5821, 62.6219, 19.6883

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.



7.9081, 20.1413, 10.8016



31.3732, 20.1413, 74.1856



16.1667, 20.1413, 0.8766

Square

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



31.3732, 20.1413, 74.1856



33.1184, 20.1413, 3.6990



10.5942, 20.1413, 2.7224



9.7847, 20.1413, 66.5098

Rectangle

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



31.3732, 20.1413, 74.1856



39.0855, 20.1413, 20.5993



10.5942, 20.1413, 2.7224



7.4897, 20.1413, 23.3178

Sweetspot

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



31.3741, 20.1420, 74.1861



74.0048, 69.9490, 104.2088



30.7437, 33.1183, 76.7240



15.1992, 14.0761, 22.1658



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.



31.3741, 20.1420, 74.1861



35.0594, 19.3715, 96.4990



48.1320, 28.7811, 74.9703



13.5869, 13.5706, 17.2910



11.6713, 5.1121, 41.4199



0.9121, 0.4075, 2.8758

Inverse Universe

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



41.4507, 26.1895, 36.1281



50.3320, 28.5428, 38.5674



33.6247, 57.4887, 19.2223



13.9982, 13.8169, 15.7604



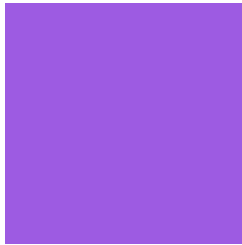
19.7356, 9.9612, 10.5393



1.4132, 0.7085, 0.9686

Previews

White Background



This preview shows how the XYZ color 31.3732, 20.1413, 74.1856 looks on a white background.

Color Contrast Check

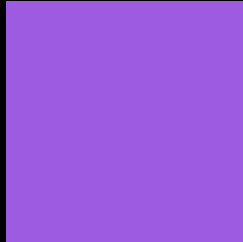
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3732, 20.1413, 74.1856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

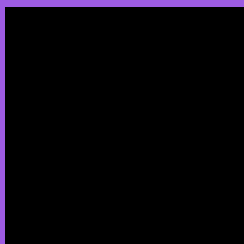
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.3732, 20.1413, 74.1856

Background



This preview shows how black text looks on a background with the XYZ color 31.3732, 20.1413, 74.1856.



This preview shows how white text looks on a background with the XYZ color 31.3732, 20.1413,

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

31.3732, 20.1413, 74.1856

Protanopia

24.4862, 20.3494, 96.4032

Deuteranopia

21.1615, 20.5076, 69.8609



Tritanopia

21.0222, 20.0043, 23.1753

Trichromacy



Original Color

31.3732, 20.1413, 74.1856



Protanomaly

23.4851, 18.3388, 87.8899



Deuteranomaly

22.6572, 18.9232, 71.5656



Tritanomaly

23.9175, 19.5165, 37.6284

Monochromacy



Original Color

31.3732, 20.1413, 74.1856



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

22.7432, 19.7373, 36.7934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3732, 20.1413, 74.1856 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(157, 91, 226)` looks like.

```
.text, #text, p{  
    color:rgb(157, 91, 226)  
}
```

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(157, 91, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 91, 226) }
```

Border

The CSS property to change the border of an element to XYZ 31.3732, 20.1413, 74.1856 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(157, 91, 226) }
```


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

```
.border{ border-color:rgb(157, 91, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 91, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 91, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 91, 226);  
box-shadow:4px 4px 4px 4px rgb(157, 91,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3732, 20.1413, 74.1856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 91, 226) }
```

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

```
.background{ background-color: rgb(157, 91,  
226) }
```

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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