

Converting Colors

XYZ(31.0337, 22.2900, 77.1798)

Have a look what the booklet for
XYZ(31.0337, 22.2900, 77.1798)
contains.

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Color

**XYZ(31.1471, 22.3676,
77.5387)**

Conversions

Conversions Part 1

Format	Color
Hex	906CE6
RGB	144, 108, 230
RGB Percent	56%, 42%, 90%
CMY	0.4353, 0.5765, 0.0980
CMYK	0.37, 0.53, 0.00, 0.10
HSL	258°, 71%, 66%
HSV	258°, 53%, 90%
XYZ	31.1471, 22.3676, 77.5387
YIQ	132.6720, -17.7060, 45.5740

Conversions

Conversions Part 2

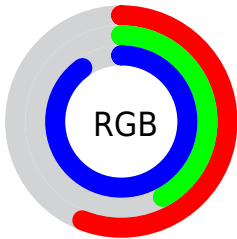
Format	Color
RYB	144, 108, 230
Decimal	9465062
CIELab	54.41, 41.20, -57.20
CIELCh	54, 70.492, 305.770
Yxy	22.3676, 0.2377, 0.1707
Android (android.graphics.Color)	4287655142 (0xFF906CE6)
YUV	132.6720, 47.9827, 9.9347
Hunter-Lab	47.2944, 34.7912, -64.0993

Details

The XYZ color **31.1471, 22.3676, 77.5387** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **53.2517, 69.1459, 24.7278**, and the grayscale version is **22.0121, 23.1584, 25.2195**.

A 20% lighter version of the original color is **54.7082, 44.7791, 100.3675**, and **13.1344, 8.2102, 40.9369** is the 20% darker color. If you saturate the color by 10%, you get **26.4024, 16.7835, 76.7114**, and if you desaturate by 10%, it is **36.9401, 29.4423, 78.5994**.

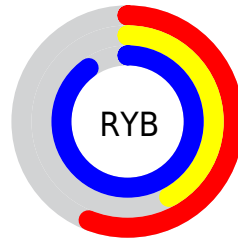
Distribution



Red (56%)

Green (42%)

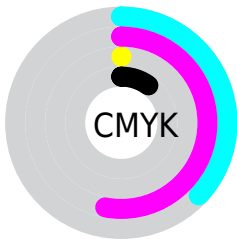
Blue (90%)



Red (56%)

Yellow (42%)

Blue (90%)

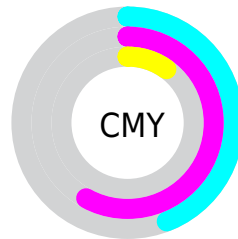


Cyan (37%)

Magenta (53%)

Yellow (0%)

Black (10%)



Cyan (44%)

Magenta (58%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1471, 22.3676, 77.5387 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 31.1471, 22.3676, 77.5387 by changing the saturation by 10% instead.

31.1471, 22.3676,
77.5387

31.1471, 22.3676,
77.5387

299.0302,
264.4600, 506.0851

20.8633, 14.1273,
57.1809

60.8459, 47.3528,
131.6796

13.1360, 8.2092,
40.7402

80.9915, 64.8665,
166.2998

7.5999, 4.2291,
27.7980

105.1551, 86.2400,
206.5111

3.8897, 1.8025,
17.9357

133.7020,
111.8579, 252.7323

1.6399, 0.4888,
10.7349

166.9977,
142.1044, 305.3817

0.4182, 0.0000,
5.7769

205.4073,

0.0000, 0.0000,

177.3640, 364.8780

2.6433

249.2964,
218.0211, 431.6396

■ 0.0000, 0.0000,
0.9147

■ 0.0000, 0.0000,
0.0000

■ 31.1471, 22.3676,
77.5387

■ 31.1471, 22.3676,
77.5387

■ 26.4024, 16.7835,
76.7114

■ 36.9401, 29.4423,
78.5994

■ 22.6343, 12.5758,
76.0978

■ 43.8407, 38.1054,
79.9078

■ 19.7660, 9.6169,
75.6779

■ 51.9068, 48.4488,
81.4792

■ 17.7055, 7.7527,
75.4266

■ 61.1913, 60.5570,
83.3269

■ 16.6581, 6.9376,
75.3245

■ 71.7437, 74.5082,
85.4636

■ 83.6109, 90.3764,
87.9010

■ 91.2830, 98.4932,
89.0634

Harmonies

Analogous

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



22.7839, 22.3676, 95.6423



31.1471, 22.3676, 77.5387



37.8307, 22.3676, 46.2438

Triad

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



31.1471, 22.3676, 77.5387



27.9370, 22.3676, 2.5369



9.6650, 22.3676, 28.8732

Complementary

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



31.1471, 22.3676, 77.5387



53.2517, 69.1459, 24.7278

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.



10.4106, 22.3676, 10.7631



31.1471, 22.3676, 77.5387



19.8051, 22.3676, 1.8342

Square

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



31.1471, 22.3676, 77.5387



35.6858, 22.3676, 7.0209



13.7234, 22.3676, 3.6030



11.3635, 22.3676, 58.5208

Rectangle

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



31.1471, 22.3676, 77.5387



39.7183, 22.3676, 27.6198



13.7234, 22.3676, 3.6030



9.6445, 22.3676, 21.3573

Sweetspot

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



31.1481, 22.3684, 77.5392



73.5866, 71.6220, 104.5537



40.0802, 48.1266, 82.0403



15.2244, 14.6429, 22.2739



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.



31.1481, 22.3684, 77.5392



32.6684, 20.4117, 96.8258



44.4293, 29.2151, 78.1608



13.9805, 14.0922, 18.1275



9.5374, 3.9826, 42.6492



0.7954, 0.3410, 3.1559

Inverse Universe

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



47.7336, 31.4436, 54.5917



56.2927, 33.3768, 62.4042



40.9049, 62.7809, 24.1499



14.8044, 14.5389, 17.1702



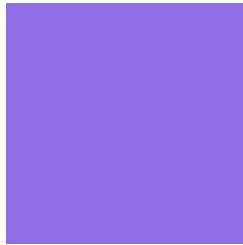
22.2296, 11.0261, 20.6360



1.6829, 0.8309, 1.7367

Previews

White Background



This preview shows how the XYZ color 31.1471, 22.3676, 77.5387 looks on a white background.

Color Contrast Check

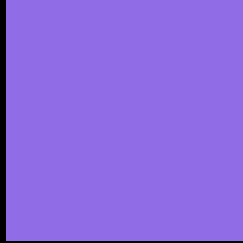
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.1471, 22.3676, 77.5387 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 31.1471, 22.3676, 77.5387

Background



This preview shows how black text looks on a background with the XYZ color 31.1471, 22.3676, 77.5387.



This preview shows how white text looks on a background with the XYZ color 31.1471, 22.3676,

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

31.1471, 22.3676, 77.5387

Protanopia

26.3286, 22.6911, 91.7991

Deuteranopia

23.4728, 22.7795, 74.3939



Tritanopia

21.1025, 22.1734, 28.3670

Trichromacy



Original Color

31.1471, 22.3676, 77.5387

Protanomaly

26.7884, 21.7687, 86.0090

Deuteranomaly

24.9726, 21.7867, 75.5621

Tritanomaly

23.8624, 21.7615, 42.4779

Monochromacy



Original Color

31.1471, 22.3676, 77.5387

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

24.5921, 22.5608, 40.1043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1471, 22.3676, 77.5387 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(144, 108, 230)` looks like.

```
.text, #text, p{  
    color:rgb(144, 108, 230)  
}
```

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(144, 108, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 108, 230) }
```

Border

The CSS property to change the border of an element to XYZ 31.1471, 22.3676, 77.5387 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(144, 108, 230) }
```


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

```
.border{ border-color:rgb(144, 108, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 108, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 108, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 108, 230);  
box-shadow:4px 4px 4px 4px rgb(144, 108,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1471, 22.3676, 77.5387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 108, 230) }
```

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

```
.background{ background-color: rgb(144,  
108, 230) }
```

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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