

Converting Colors

XYZ(31.2629, 24.4791, 70.5575)

Have a look what the booklet for
XYZ(31.2629, 24.4791, 70.5575)
contains.

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Color

**XYZ(31.1921, 24.3807,
70.7721)**

Conversions

Conversions Part 1

Format	Color
Hex	9177DC
RGB	145, 119, 220
RGB Percent	57%, 47%, 86%
CMY	0.4314, 0.5333, 0.1373
CMYK	0.34, 0.46, 0.00, 0.14
HSL	255°, 59%, 66%
HSV	255°, 46%, 86%
XYZ	31.1921, 24.3807, 70.7721
YIQ	138.2880, -16.9250, 36.9230

Conversions

Conversions Part 2

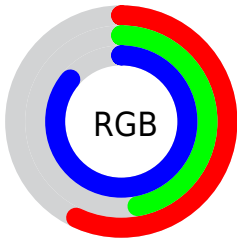
Format	Color
R _Y B	145, 119, 220
Decimal	9533404
CIE Lab	56.47, 32.53, -48.30
CIE LCh	56, 58.233, 303.955
Yxy	24.3807, 0.2469, 0.1930
Android (android.graphics.Color)	4287723484 (0xFF9177DC)
YUV	138.2880, 40.2840, 5.8864
Hunter-Lab	49.3768, 26.3518, -50.4170

Details

The XYZ color **31.1921, 24.3807, 70.7721** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **51.1715, 63.9881, 27.1075**, and the grayscale version is **24.1238, 25.3801, 27.6389**.

A 20% lighter version of the original color is **56.8899, 49.1426, 101.0948**, and **13.1074, 9.2343, 36.2135** is the 20% darker color. If you saturate the color by 10%, you get **26.1960, 18.3582, 69.8734**, and if you desaturate by 10%, it is **37.2101, 31.8302, 71.8933**.

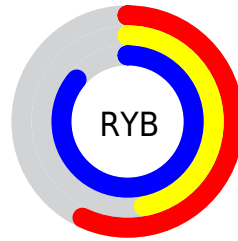
Distribution



Red (57%)

Green (47%)

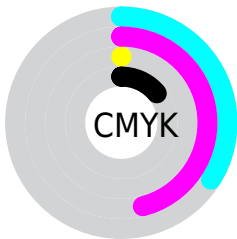
Blue (86%)



Red (57%)

Yellow (47%)

Blue (86%)

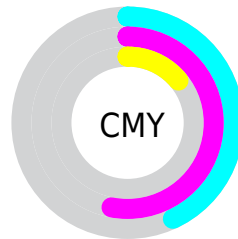


Cyan (34%)

Magenta (46%)

Yellow (0%)

Black (14%)



Cyan (43%)

Magenta (53%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1921, 24.3807, 70.7721 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 31.1921, 24.3807, 70.7721 by changing the saturation by 10% instead.

■ 31.1921, 24.3807,
70.7721

■ 31.1921, 24.3807,
70.7721

299.2334,
274.7396, 482.1185

■ 20.8977, 15.6163,
51.6755

■ 60.9162, 50.6507,
122.0006

■ 13.1613, 9.2530,
36.3661

■ 81.0766, 68.9251,
154.9696

■ 7.6175, 4.9066,
24.4251

■ 105.2564, 91.1383,
193.3999

■ 3.9009, 2.1926,
15.4342

133.8209,
117.6746, 237.7099

■ 1.6462, 0.7159,
8.9747

167.1355,
148.9185, 288.3182

■ 0.4222, 0.0000,
4.6281

205.5656,

■ 0.0000, 0.0000,

185.2544, 345.6434

1.9758

249.4764,
227.0666, 410.1040

■ 0.0000, 0.0000,
0.5404

■ 0.0000, 0.0000,
0.0000

■ 31.1921, 24.3807,
70.7721

■ 31.1921, 24.3807,
70.7721

■ 26.1960, 18.3582,
69.8734

■ 37.2101, 31.8302,
71.8933

■ 22.1588, 13.6663,
69.1806

■ 44.3018, 40.7894,
73.2488

■ 19.0148, 10.2002,
68.6773

■ 52.5192, 51.3374,
74.8517

■ 16.6878, 7.8380,
68.3440

■ 61.9096, 63.5472,
76.7135

■ 15.0865, 6.4301,
68.1566

■ 72.5179, 77.4873,
78.8451

■ 14.5850, 6.0265,
68.1051

■ 84.3861, 93.2221,
81.2567

■ 89.9184, 97.9473,
81.8771

Harmonies

Analogous

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



24.0786, 24.3807, 83.4626



31.1921, 24.3807, 70.7721



36.8769, 24.3807, 46.4071

Triad

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



31.1921, 24.3807, 70.7721



29.3424, 24.3807, 5.2131



12.4991, 24.3807, 29.1897

Complementary

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



31.1921, 24.3807, 70.7721



51.1715, 63.9881, 27.1075

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.



13.3702, 24.3807, 13.3564



31.1921, 24.3807, 70.7721



22.2907, 24.3807, 4.0658

Square

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



31.1921, 24.3807, 70.7721



35.6718, 24.3807, 10.7431



16.6617, 24.3807, 6.1268



13.9994, 24.3807, 53.1438

Rectangle

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



31.1921, 24.3807, 70.7721



38.5988, 24.3807, 30.6504



16.6617, 24.3807, 6.1268



12.5264, 24.3807, 22.8262

Sweetspot

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



31.1931, 24.3816, 70.7727



75.6106, 74.6140, 105.0246



39.9858, 48.0082, 74.8697



15.6061, 15.2232, 22.3658



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.



31.1931, 24.3816, 70.7727



36.8879, 25.9900, 97.6801



41.9569, 29.9306, 71.2764



12.6514, 12.7784, 16.4518



8.6480, 3.5824, 39.9741



0.6402, 0.2733, 2.5935

Inverse Universe

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



45.8502, 32.3050, 54.8580



60.1146, 38.5735, 71.2222



40.4690, 58.4707, 26.6066



13.4638, 13.2146, 15.7034



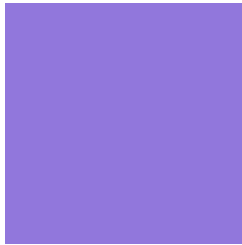
21.2687, 10.5085, 21.5930



1.4122, 0.6945, 1.5793

Previews

White Background



This preview shows how the XYZ color 31.1921, 24.3807, 70.7721 looks on a white background.

Color Contrast Check

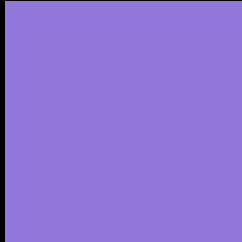
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.1921, 24.3807, 70.7721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

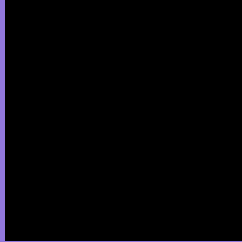
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.1921, 24.3807, 70.7721

Background



This preview shows how black text looks on a background with the XYZ color 31.1921, 24.3807, 70.7721.



This preview shows how white text looks on a background with the XYZ color 31.1921, 24.3807,

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

31.1921, 24.3807, 70.7721

Protanopia

27.2304, 24.6040, 79.6578

Deuteranopia

25.3187, 24.6900, 68.3970



Tritanopia

23.2765, 24.4607, 31.0984

Trichromacy



Original Color

31.1921, 24.3807, 70.7721

Protanomaly

28.1485, 24.1597, 76.5785

Deuteranomaly

26.8137, 24.2262, 68.9085

Tritanomaly

25.6143, 24.1722, 43.3601

Monochromacy



Original Color

31.1921, 24.3807, 70.7721

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

26.1687, 24.7225, 40.4385

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1921, 24.3807, 70.7721 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(145, 119, 220)` looks like.

```
.text, #text, p{  
    color:rgb(145, 119, 220)  
}
```

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(145, 119, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 119, 220) }
```

Border

The CSS property to change the border of an element to XYZ 31.1921, 24.3807, 70.7721 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(145, 119, 220) }
```


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

```
.border{ border-color:rgb(145, 119, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 119, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 119, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 119, 220);  
box-shadow:4px 4px 4px 4px rgb(145, 119,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1921, 24.3807, 70.7721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 119, 220) }
```

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

```
.background{ background-color: rgb(145,  
119, 220) }
```

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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