

Converting Colors

XYZ(31.5776, 27.4270, 70.3557)

Have a look what the booklet for
XYZ(31.5776, 27.4270, 70.3557)
contains.

XYZ(31.6278, 27.4830, 70.6556)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.6278, 27.4830,
70.6556)**

Conversions

Conversions Part 1

Format	Color
Hex	8986DB
RGB	137, 134, 219
RGB Percent	54%, 53%, 86%
CMY	0.4627, 0.4745, 0.1412
CMYK	0.37, 0.39, 0.00, 0.14
HSL	242°, 54%, 69%
HSV	242°, 39%, 86%
XYZ	31.6278, 27.4830, 70.6556
YIQ	144.5870, -25.4970, 27.0710

Conversions

Conversions Part 2

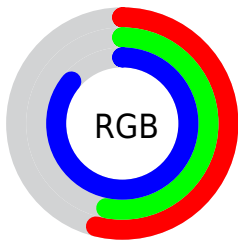
Format	Color
R _Y B	137, 134, 219
Decimal	9012955
CIE Lab	59.42, 21.40, -43.12
CIE LCh	59, 48.138, 296.396
Yxy	27.4830, 0.2437, 0.2118
Android (android.graphics.Color)	4287203035 (0xFF8986DB)
YUV	144.5870, 36.6856, -6.6538
Hunter-Lab	52.4242, 15.9475, -43.2121

Details

The XYZ color **31.6278, 27.4830, 70.6556** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **57.9536, 66.9835, 32.4297**, and the grayscale version is **26.6107, 27.9965, 30.4882**.

A 20% lighter version of the original color is **57.8126, 54.0981, 102.0027**, and **13.4384, 10.8600, 36.5099** is the 20% darker color. If you saturate the color by 10%, you get **25.7778, 20.4300, 69.6031**, and if you desaturate by 10%, it is **38.7846, 36.1410, 71.9501**.

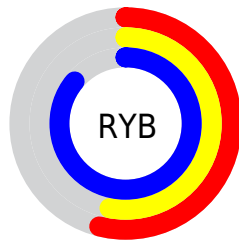
Distribution



Red (54%)

Green (53%)

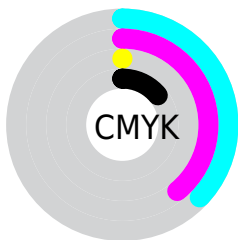
Blue (86%)



Red (54%)

Yellow (53%)

Blue (86%)

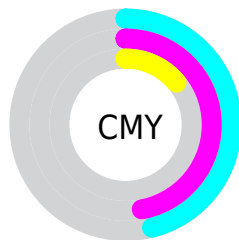


Cyan (37%)

Magenta (39%)

Yellow (0%)

Black (14%)



Cyan (46%)

Magenta (47%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6278, 27.4830, 70.6556 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 31.6278, 27.4830, 70.6556 by changing the saturation by 10% instead.

■ 31.6278, 27.4830,
70.6556

■ 31.6278, 27.4830,
70.6556

301.1958,
289.9882, 481.6998

■ 21.2315, 17.9363,
51.5811

■ 61.5963, 55.6580,
121.8331

■ 13.4068, 10.9043,
36.2913

■ 81.8992, 75.0550,
154.7731

■ 7.7882, 6.0025,
24.3678

■ 106.2351, 98.5043,
193.1721

■ 4.0104, 2.8466,
15.3920

134.9692,
126.3902, 237.4485

■ 1.7080, 1.0522,
8.9453

168.4670,
159.0972, 288.0210

■ 0.4613, 0.0000,
4.6092

207.0938,

■ 0.0000, 0.0000,

197.0096, 345.3080

1.9651

251.2149,
240.5118, 409.7281

■ 0.0000, 0.0000,
0.5337

■ 0.0000, 0.0000,
0.0000

■ 31.6278, 27.4830,
70.6556

■ 31.6278, 27.4830,
70.6556

■ 25.7778, 20.4300,
69.6031

■ 38.7846, 36.1410,
71.9501

■ 21.1529, 14.8805,
68.7757

■ 47.3173, 46.4911,
73.4981

■ 17.6669, 10.7263,
68.1576

■ 57.2938, 58.6177,
75.3130

■ 15.2209, 7.8434,
67.7300

■ 68.7767, 72.5986,
77.4064

■ 13.6996, 6.0857,
67.4709

■ 81.8247, 88.5072,
79.7893

■ 12.9427, 5.2371,
67.3470

■ 89.7863, 97.8945,
81.1816

■ 12.8831, 5.1644,
67.3361

Harmonies

Analogous

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



25.3991, 27.4830, 76.8559



31.6278, 27.4830, 70.6556



37.0278, 27.4830, 52.3433

Triad

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



31.6278, 27.4830, 70.6556



33.0848, 27.4830, 9.9019



16.1677, 27.4830, 27.8836

Complementary

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



31.6278, 27.4830, 70.6556



57.9536, 66.9835, 32.4297

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.



17.5998, 27.4830, 15.0423



31.6278, 27.4830, 70.6556



26.8580, 27.4830, 7.5016

Square

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



31.6278, 27.4830, 70.6556



37.9558, 27.4830, 17.4477



21.2950, 27.4830, 8.9358



17.0451, 27.4830, 47.2642

Rectangle

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



31.6278, 27.4830, 70.6556



39.1016, 27.4830, 38.4415



21.2950, 27.4830, 8.9358



16.3885, 27.4830, 22.7684

Sweetspot

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



31.6288, 27.4840, 70.6563



76.0147, 76.8315, 105.4313



47.2169, 59.3806, 75.9913



15.8670, 15.9549, 22.4933



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.



31.6288, 27.4840, 70.6563



37.4463, 30.1118, 98.4463



39.9796, 31.7890, 71.0471



12.3810, 12.6390, 16.4392



7.6582, 3.0722, 39.9278



0.5115, 0.2069, 2.5874

Inverse Universe

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



50.1336, 37.0688, 69.4780



67.3009, 45.5802, 96.3258



47.0167, 61.3453, 31.9179



13.5935, 13.2665, 16.3865



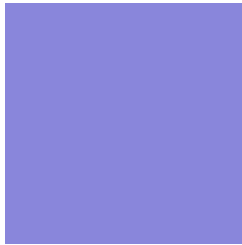
24.3229, 11.7302, 37.6758



1.5821, 0.7625, 2.4743

Previews

White Background



This preview shows how the XYZ color 31.6278, 27.4830, 70.6556 looks on a white background.

Color Contrast Check

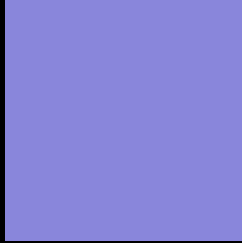
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.6278, 27.4830, 70.6556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

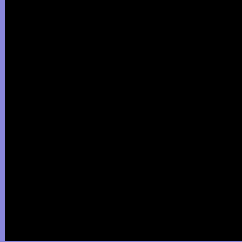
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.6278, 27.4830, 70.6556

Background



This preview shows how black text looks on a background with the XYZ color 31.6278, 27.4830, 70.6556.



This preview shows how white text looks on a background with the XYZ color 31.6278, 27.4830,

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

31.6278, 27.4830, 70.6556

Protanopia

29.5147, 27.5827, 74.2894

Deuteranopia

28.2608, 27.4816, 69.4606



Tritanopia

24.7737, 27.5470, 36.3591

Trichromacy



Original Color

31.6278, 27.4830, 70.6556

Protanomaly

30.1585, 27.5158, 72.8288

Deuteranomaly

29.3587, 27.3787, 70.0669

Tritanomaly

26.8133, 27.2305, 47.0228

Monochromacy



Original Color

31.6278, 27.4830, 70.6556

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

28.1266, 27.7791, 42.9092

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6278, 27.4830, 70.6556 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(137, 134, 219)` looks like.

```
.text, #text, p{  
    color:rgb(137, 134, 219)  
}
```

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(137, 134, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 134, 219) }
```

Border

The CSS property to change the border of an element to XYZ 31.6278, 27.4830, 70.6556 is called "border". The border property can be set on classes, ids or directly on the HTML element.

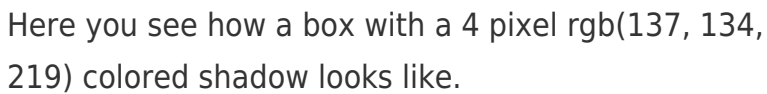
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 134, 219) }
```


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

```
.border{ border-color:rgb(137, 134, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 134, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 134, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 134, 219); box-shadow:4px 4px 4px 4px rgb(137, 134, 219) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6278, 27.4830, 70.6556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 134, 219) }
```

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

```
.background{ background-color: rgb(137,  
134, 219) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor