

Converting Colors

XYZ(31.6759, 27.5657, 68.0810)

Have a look what the booklet for
XYZ(31.6759, 27.5657, 68.0810)
contains.

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Color

**XYZ(31.6061, 27.5319,
67.9384)**

Conversions

Conversions Part 1

Format	Color
Hex	8C86D7
RGB	140, 134, 215
RGB Percent	55%, 53%, 84%
CMY	0.4510, 0.4745, 0.1569
CMYK	0.35, 0.38, 0.00, 0.16
HSL	244°, 50%, 68%
HSV	244°, 38%, 84%
XYZ	31.6061, 27.5319, 67.9384
YIQ	145.0280, -22.4250, 26.4630

Conversions

Conversions Part 2

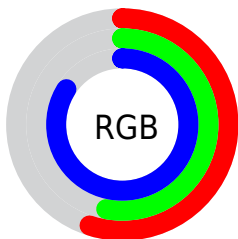
Format	Color
R _Y B	140, 134, 215
Decimal	9209559
CIE Lab	59.46, 21.13, -40.79
CIE LCh	59, 45.940, 297.382
Yxy	27.5319, 0.2487, 0.2167
Android (android.graphics.Color)	4287399639 (0xFF8C86D7)
YUV	145.0280, 34.4962, -4.4096
Hunter-Lab	52.4708, 15.6965, -40.0381

Details

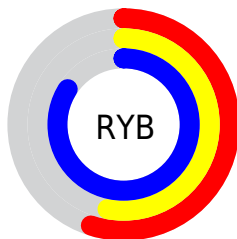
The XYZ color **31.6061, 27.5319, 67.9384** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **54.8982, 63.8778, 31.9913**, and the grayscale version is **26.7967, 28.1922, 30.7013**.

A 20% lighter version of the original color is **58.5853, 54.4964, 102.0388**, and **13.3532, 10.8571, 34.6496** is the 20% darker color. If you saturate the color by 10%, you get **25.8747, 20.6058, 66.9041**, and if you desaturate by 10%, it is **38.5504, 35.9810, 69.2037**.

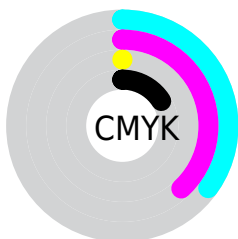
Distribution



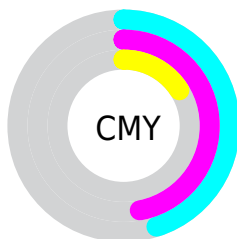
- Red (55%)
- Green (53%)
- Blue (84%)



- Red (55%)
- Yellow (53%)
- Blue (84%)



- Cyan (35%)
- Magenta (38%)
- Yellow (0%)
- Black (16%)



- Cyan (45%)
- Magenta (47%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6061, 27.5319, 67.9384 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 31.6061, 27.5319, 67.9384 by changing the saturation by 10% instead.

■ 31.6061, 27.5319,
67.9384

■ 31.6061, 27.5319,
67.9384

301.0982,
290.2233, 471.8699

■ 21.2149, 17.9731,
49.3812

■ 61.5624, 55.7362,
117.9174

■ 13.3945, 10.9307,
34.5543

■ 81.8583, 75.1505,
150.1763

■ 7.7796, 6.0202,
23.0389

■ 106.1864, 98.6188,
187.8396

■ 4.0049, 2.8574,
14.4167

134.9121,
126.5254, 231.3257

■ 1.7049, 1.0577,
8.2690

168.4008,
159.2548, 281.0533

■ 0.4593, 0.0000,
4.1773

207.0178,

■ 0.0000, 0.0000,

197.1913, 337.4408

1.7231

251.1285,
240.7194, 400.9068

■ 0.0000, 0.0000,
0.3765

■ 0.0000, 0.0000,
0.0000

■ 31.6061, 27.5319,
67.9384

■ 31.6061, 27.5319,
67.9384

■ 25.8747, 20.6058,
66.9041

■ 38.5504, 35.9810,
69.2037

■ 21.2836, 15.1090,
66.0851

■ 46.7685, 46.0330,
70.7108

■ 17.7572, 10.9424,
65.4667

■ 56.3210, 57.7661,
72.4721

■ 15.2091, 7.9928,
65.0317

■ 67.2637, 71.2524,
74.4985

■ 13.5399, 6.1281,
64.7598

■ 79.6490, 86.5596,
76.8003

■ 12.6202, 5.1696,
64.6232

■ 89.2658, 97.6863,
78.4411

■ 12.4783, 5.0159,
64.6010

Harmonies

Analogous

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



25.6650, 27.5319, 74.2028



31.6061, 27.5319, 67.9384



36.6622, 27.5319, 50.5587

Triad

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



31.6061, 27.5319, 67.9384



32.6115, 27.5319, 10.3973



16.5814, 27.5319, 28.5504

Complementary

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



31.6061, 27.5319, 67.9384



54.8982, 63.8778, 31.9913

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.



17.8962, 27.5319, 15.9120



31.6061, 27.5319, 67.9384



26.6780, 27.5319, 8.1297

Square

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



31.6061, 27.5319, 67.9384



37.3000, 27.5319, 17.6164



21.3929, 27.5319, 9.6976



17.5060, 27.5319, 47.0820

Rectangle

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



31.6061, 27.5319, 67.9384



38.5479, 27.5319, 37.4631



21.3929, 27.5319, 9.6976



16.7711, 27.5319, 23.5621

Sweetspot

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



31.6071, 27.5329, 67.9391



77.8276, 78.7935, 105.7145



45.0459, 55.8712, 72.7006



16.2413, 16.3527, 22.5503



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.



31.6071, 27.5329, 67.9391



39.8139, 32.4156, 98.7662



39.5907, 31.6486, 68.3127



11.8270, 12.0522, 15.6405



7.4974, 3.0176, 38.6404



0.4827, 0.1977, 2.3320

Inverse Universe

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



48.0585, 36.1014, 64.7565



67.3657, 46.7737, 93.0675



44.9879, 58.7689, 31.5275



12.9115, 12.6161, 15.4740



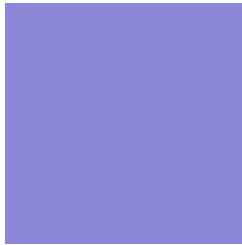
22.9499, 11.1163, 33.3701



1.3964, 0.6753, 2.0766

Previews

White Background



This preview shows how the XYZ color 31.6061, 27.5319, 67.9384 looks on a white background.

Color Contrast Check

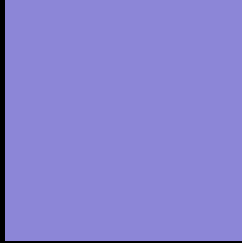
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.6061, 27.5319, 67.9384 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 31.6061, 27.5319, 67.9384

Background



This preview shows how black text looks on a background with the XYZ color 31.6061, 27.5319, 67.9384.



This preview shows how white text looks on a background with the XYZ color 31.6061, 27.5319,

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

31.6061, 27.5319, 67.9384

Protanopia

29.2358, 27.5009, 71.4775

Deuteranopia

28.3653, 27.5948, 66.7821



Tritanopia

25.2028, 27.5384, 36.3349

Trichromacy



Original Color

31.6061, 27.5319, 67.9384

Protanomaly

29.9117, 27.4499, 70.0515

Deuteranomaly

29.3963, 27.4579, 67.3689

Tritanomaly

27.3254, 27.5062, 46.5169

Monochromacy



Original Color

31.6061, 27.5319, 67.9384

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

28.1083, 27.7917, 41.9131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6061, 27.5319, 67.9384 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(140, 134, 215)` looks like.

```
.text, #text, p{  
    color:rgb(140, 134, 215)  
}
```

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(140, 134, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 134, 215) }
```

Border

The CSS property to change the border of an element to XYZ 31.6061, 27.5319, 67.9384 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(140, 134, 215) }
```


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

```
.border{ border-color:rgb(140, 134, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 134, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 134, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 134, 215);  
box-shadow:4px 4px 4px 4px rgb(140, 134,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6061, 27.5319, 67.9384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 134, 215) }
```

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

```
.background{ background-color: rgb(140,  
134, 215) }
```

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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