

Converting Colors

XYZ(31.1935, 27.1161, 77.7197)

Have a look what the booklet for
XYZ(31.1935, 27.1161, 77.7197)
contains.

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Color

**XYZ(31.1254, 27.0673,
77.7128)**

Conversions

Conversions Part 1

Format	Color
Hex	7D86E5
RGB	125, 134, 229
RGB Percent	49%, 53%, 90%
CMY	0.5098, 0.4745, 0.1020
CMYK	0.45, 0.41, 0.00, 0.10
HSL	235°, 67%, 69%
HSV	235°, 45%, 90%
XYZ	31.1254, 27.0673, 77.7128
YIQ	142.1390, -35.8590, 27.6370

Conversions

Conversions Part 2

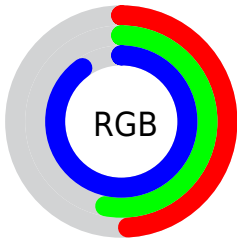
Format	Color
RYB	125, 133, 229
Decimal	8226533
CIELab	59.04, 21.20, -49.36
CIELCh	59, 53.722, 293.247
Yxy	27.0673, 0.2290, 0.1992
Android (android.graphics.Color)	4286416613 (0xFF7D86E5)
YUV	142.1390, 42.8225, -15.0309
Hunter-Lab	52.0262, 15.7441, -52.1445

Details

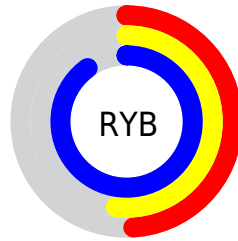
The XYZ color **31.1254, 27.0673, 77.7128** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **61.6094, 69.3271, 29.5379**, and the grayscale version is **25.6131, 26.9470, 29.3453**.

A 20% lighter version of the original color is **55.1117, 52.7057, 101.8763**, and **13.1752, 10.7431, 40.9144** is the 20% darker color. If you saturate the color by 10%, you get **25.5487, 20.3169, 76.7043**, and if you desaturate by 10%, it is **38.0467, 35.3605, 78.9493**.

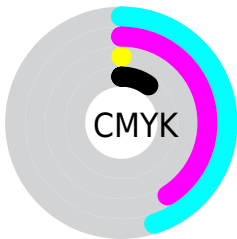
Distribution



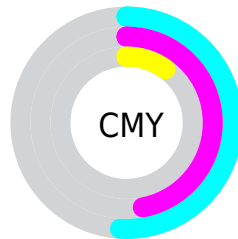
- Red (49%)
- Green (53%)
- Blue (90%)



- Red (49%)
- Yellow (52%)
- Blue (90%)



- Cyan (45%)
- Magenta (41%)
- Yellow (0%)
- Black (10%)



- Cyan (51%)
- Magenta (47%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1254, 27.0673, 77.7128 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 31.1254, 27.0673, 77.7128 by changing the saturation by 10% instead.

■ 31.1254, 27.0673,
77.7128

■ 31.1254, 27.0673,
77.7128

298.9322,
287.9828, 506.6930

■ 20.8467, 17.6238,
57.3230

■ 60.8119, 54.9918,
131.9274

■ 13.1238, 10.6802,
40.8536

■ 80.9505, 74.2416,
166.5892

■ 7.5914, 5.8522,
27.8858

■ 105.1063, 97.5290,
206.8456

■ 3.8842, 2.7554,
18.0013

133.6447,
125.2383, 253.1149

■ 1.6368, 1.0054,
10.7815

166.9312,
157.7539, 305.8158

■ 0.4162, 0.0000,
5.8078

205.3310,

■ 0.0000, 0.0000,

195.4603, 365.3667

2.6617

249.2096,
238.7418, 432.1863

■ 0.0000, 0.0000,
0.9240

■ 0.0000, 0.0000,
0.0000

■ 31.1254, 27.0673,
77.7128

■ 31.1254, 27.0673,
77.7128

■ 25.5487, 20.3169,
76.7043

■ 38.0467, 35.3605,
78.9493

■ 21.2258, 15.0110,
75.9080

■ 46.3890, 45.2810,
80.4245

■ 18.0598, 11.0445,
75.3093

■ 56.2269, 56.9104,
82.1507

■ 15.9378, 8.2965,
74.8907

■ 67.6288, 70.3241,
84.1388

■ 14.7239, 6.6238,
74.6318

■ 80.6588, 85.5928,
86.3992

■ 14.3898, 6.1509,
74.5581

■ 91.1430, 98.4372,
88.3258

Harmonies

Analogous

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



24.2484, 27.0673, 83.0327



31.1254, 27.0673, 77.7128



37.4255, 27.0673, 57.3512

Triad

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



31.1254, 27.0673, 77.7128



34.1852, 27.0673, 8.7570



14.9804, 27.0673, 25.3617

Complementary

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



31.1254, 27.0673, 77.7128



61.6094, 69.3271, 29.5379

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.



16.7616, 27.0673, 12.5095



31.1254, 27.0673, 77.7128



27.2638, 27.0673, 5.9803

Square

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



31.1254, 27.0673, 77.7128



39.3945, 27.0673, 17.2261



20.9913, 27.0673, 6.9718



15.6540, 27.0673, 46.4673

Rectangle

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



31.1254, 27.0673, 77.7128



40.0580, 27.0673, 41.3719



20.9913, 27.0673, 6.9718



15.3001, 27.0673, 20.1050

Sweetspot

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



31.1265, 27.0683, 77.7135



73.5784, 74.7759, 105.1629



49.2114, 65.4929, 76.7905



15.1175, 15.2608, 22.3988



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.



31.1265, 27.0683, 77.7135



33.3049, 26.7795, 98.0213



37.3298, 28.4979, 77.6625



13.6826, 14.0865, 18.1422



8.2633, 3.5888, 42.6403



0.6454, 0.3348, 3.1626

Inverse Universe

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



43.9508, 33.0478, 26.6174



51.6129, 35.6433, 25.0028



52.3136, 68.1355, 29.7978



14.4274, 14.3881, 15.1849



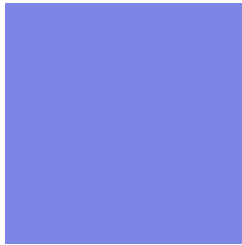
18.5645, 9.5600, 1.3355



1.3894, 0.7135, 0.1912

Previews

White Background



This preview shows how the XYZ color 31.1254, 27.0673, 77.7128 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 31.1254, 27.0673, 77.7128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

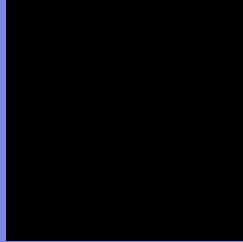
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.1254, 27.0673, 77.7128

Background



This preview shows how black text looks on a background with the XYZ color 31.1254, 27.0673, 77.7128.



This preview shows how white text looks on a background with the XYZ color 31.1254, 27.0673,

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

31.1254, 27.0673, 77.7128

Protanopia

29.6495, 27.2915, 80.7959

Deuteranopia

27.9518, 27.1674, 76.4437



Tritanopia

23.1243, 27.1323, 37.7365

Trichromacy



Original Color

31.1254, 27.0673, 77.7128

Protanomaly

30.1932, 27.1623, 79.9954

Deuteranomaly

28.9451, 27.0097, 77.0866

Tritanomaly

25.6462, 27.0024, 50.3147

Monochromacy



Original Color

31.1254, 27.0673, 77.7128

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

27.0259, 26.7555, 43.7843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1254, 27.0673, 77.7128 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(125, 134, 229)` looks like.

```
.text, #text, p{  
    color:rgb(125, 134, 229)  
}
```

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(125, 134, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 134, 229) }
```

Border

The CSS property to change the border of an element to XYZ 31.1254, 27.0673, 77.7128 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(125, 134, 229) }
```


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

```
.border{ border-color:rgb(125, 134, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 134, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(125, 134, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(125, 134, 229); box-shadow:4px 4px 4px 4px rgb(125, 134, 229) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1254, 27.0673, 77.7128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 134, 229) }
```

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

```
.background{ background-color: rgb(125,  
134, 229) }
```

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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