

Converting Colors

XYZ(31.9570, 27.3881, 57.5741)

Have a look what the booklet for
XYZ(31.9570, 27.3881, 57.5741)
contains.

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Color

**XYZ(31.9427, 27.3247,
57.6235)**

Conversions

Conversions Part 1

Format	Color
Hex	9B83C7
RGB	155, 131, 199
RGB Percent	61%, 51%, 78%
CMY	0.3921, 0.4863, 0.2196
CMYK	0.22, 0.34, 0.00, 0.22
HSL	261°, 38%, 65%
HSV	261°, 34%, 78%
XYZ	31.9427, 27.3247, 57.6235
YIQ	145.9280, -7.5240, 26.2360

Conversions

Conversions Part 2

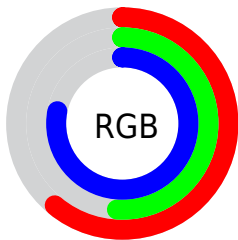
Format	Color
R _Y B	155, 131, 199
Decimal	10191815
CIE Lab	59.27, 23.17, -31.99
CIE LCh	59, 39.503, 305.916
Yxy	27.3247, 0.2733, 0.2338
Android (android.graphics.Color)	4288381895 (0xFF9B83C7)
YUV	145.9280, 26.1645, 7.9561
Hunter-Lab	52.2730, 17.5989, -28.7676

Details

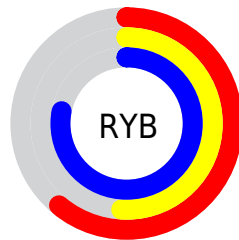
The XYZ color **31.9427, 27.3247, 57.6235** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **42.2001, 51.6001, 29.2095**, and the grayscale version is **27.1914, 28.6075, 31.1535**.

A 20% lighter version of the original color is **61.7688, 55.2026, 102.0073**, and **13.5328, 10.7540, 28.1505** is the 20% darker color. If you saturate the color by 10%, you get **27.1815, 21.2769, 56.7076**, and if you desaturate by 10%, it is **37.4826, 34.5372, 58.7241**.

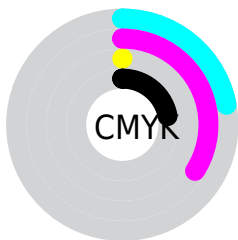
Distribution



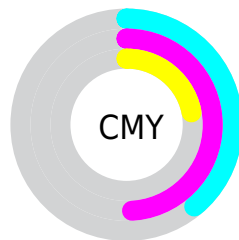
- Red (61%)
- Green (51%)
- Blue (78%)



- Red (61%)
- Yellow (51%)
- Blue (78%)



- Cyan (22%)
- Magenta (34%)
- Yellow (0%)
- Black (22%)



- Cyan (39%)
- Magenta (49%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9427, 27.3247, 57.6235 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 31.9427, 27.3247, 57.6235 by changing the saturation by 10% instead.

■ 31.9427, 27.3247,
57.6235

■ 31.9427, 27.3247,
57.6235

302.6081,
289.2258, 433.3406

■ 21.4731, 17.8172,
41.0933

■ 62.0870, 55.4045,
102.8837

■ 13.5847, 10.8188,
28.0718

■ 82.4925, 74.7456,
132.4509

■ 7.9121, 5.9452,
18.1403

■ 106.9406, 98.1333,
167.2008

■ 4.0901, 2.8118,
10.8803

135.7966,
125.9521, 207.5520

■ 1.7532, 1.0343,
5.8732

169.4261,
158.5864, 253.9231

■ 0.4892, 0.0000,
2.7006

208.1942,

■ 0.0000, 0.0000,

196.4205, 306.7325

0.9437

252.4664,
239.8389, 366.3988

■ 0.0000, 0.0000,
0.0000

■ 31.9427, 27.3247,
57.6235

■ 31.9427, 27.3247,
57.6235

■ 27.1815, 21.2769,
56.7076

■ 37.4826, 34.5372,
58.7241

■ 23.1585, 16.3272,
55.9642

■ 43.8334, 42.9693,
60.0170

■ 19.8336, 12.4073,
55.3828

■ 51.0288, 52.6766,
61.5114

■ 17.1610, 9.4396,
54.9509

■ 59.0998, 63.7100,
63.2157

■ 15.0891, 7.3349,
54.6538

■ 68.0754, 76.1177,
65.1376

■ 13.5565, 5.9858,
54.4742

■ 77.9837, 89.9455,
67.2844

■ 12.8517, 5.4344,
54.4049

■ 83.7732, 95.0809,
67.9704

■ 87.3089, 96.9036,
68.1359

Harmonies

Analogous

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



26.9614, 27.3247, 65.7815



31.9427, 27.3247, 57.6235



35.6299, 27.3247, 42.2722

Triad

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



31.9427, 27.3247, 57.6235



30.0378, 27.3247, 11.2032



17.6323, 27.3247, 32.6409

Complementary

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



31.9427, 27.3247, 57.6235



42.2001, 51.6001, 29.2095

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.



18.2380, 27.3247, 19.9857



31.9427, 27.3247, 57.6235



25.0058, 27.3247, 10.0849

Square

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



31.9427, 27.3247, 57.6235



34.4363, 27.3247, 16.4916



20.7947, 27.3247, 12.7278



19.0214, 27.3247, 48.7031

Rectangle

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



31.9427, 27.3247, 57.6235



36.6289, 27.3247, 31.7290



20.7947, 27.3247, 12.7278



17.6119, 27.3247, 27.8588

Sweetspot

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



31.9436, 27.3258, 57.6241



81.6359, 81.7995, 106.0940



35.0387, 39.6876, 59.8471



17.0967, 17.0015, 22.6305



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.



31.9436, 27.3258, 57.6241



49.6076, 39.7856, 99.6725



39.3626, 31.1504, 57.9713



10.4040, 10.4665, 13.3894



8.3506, 3.5391, 34.9874



0.4740, 0.2081, 1.6603

Inverse Universe

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



39.4081, 31.4709, 44.5557



64.8863, 48.2838, 72.2981



35.5396, 48.1665, 28.8978



10.9180, 10.7506, 12.5515



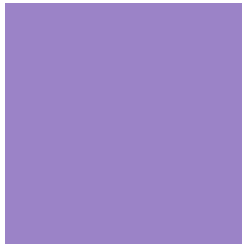
17.7260, 8.8400, 14.2989



0.8728, 0.4320, 0.8532

Previews

White Background



This preview shows how the XYZ color 31.9427, 27.3247, 57.6235 looks on a white background.

Color Contrast Check

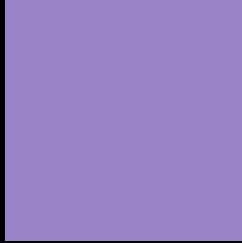
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.9427, 27.3247, 57.6235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

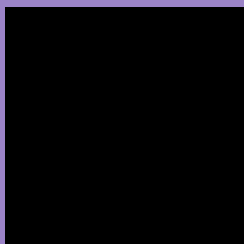
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.9427, 27.3247, 57.6235

Background



This preview shows how black text looks on a background with the XYZ color 31.9427, 27.3247, 57.6235.



This preview shows how white text looks on a background with the XYZ color 31.9427, 27.3247,

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

31.9427, 27.3247, 57.6235

Protanopia

28.6725, 27.6197, 62.8514

Deuteranopia

28.0604, 27.4409, 56.6410



Tritanopia

27.2250, 27.5198, 33.5827

Trichromacy



Original Color

31.9427, 27.3247, 57.6235

Protanomaly

29.5176, 27.2375, 60.8284

Deuteranomaly

29.2920, 27.2028, 57.1329

Tritanomaly

28.6848, 27.2399, 41.2821

Monochromacy



Original Color

31.9427, 27.3247, 57.6235

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

28.7108, 28.1559, 39.5187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9427, 27.3247, 57.6235 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(155, 131, 199)` looks like.

```
.text, #text, p{  
    color:rgb(155, 131, 199)  
}
```

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(155, 131, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 131, 199) }
```

Border

The CSS property to change the border of an element to XYZ 31.9427, 27.3247, 57.6235 is called "border". The border property can be set on classes, ids or directly on the HTML element.

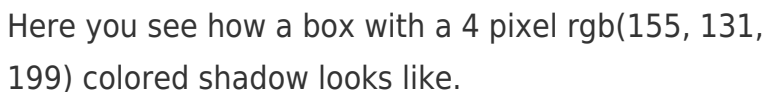
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(155, 131, 199) }
```


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

```
.border{ border-color:rgb(155, 131, 199) }
```

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



Here you see how a box with a 4 pixel `rgb(155, 131, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 131, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 131, 199); box-shadow:4px 4px 4px 4px rgb(155, 131, 199) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9427, 27.3247, 57.6235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 131, 199) }
```

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

```
.background{ background-color: rgb(155,  
131, 199) }
```

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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