

Converting Colors

XYZ(31.3996, 29.7227, 67.0332)

Have a look what the booklet for
XYZ(31.3996, 29.7227, 67.0332)
contains.

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Color

**XYZ(31.4957, 29.8802,
67.0582)**

Conversions

Conversions Part 1

Format	Color
Hex	8391D5
RGB	131, 145, 213
RGB Percent	51%, 57%, 84%
CMY	0.4863, 0.4314, 0.1647
CMYK	0.38, 0.32, 0.00, 0.16
HSL	230°, 49%, 67%
HSV	230°, 38%, 84%
XYZ	31.4957, 29.8802, 67.0582
YIQ	148.5660, -30.1720, 18.1800

Conversions

Conversions Part 2

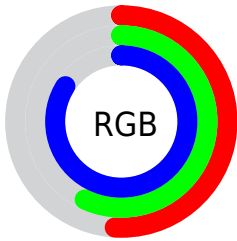
Format	Color
RYB	131, 143, 213
Decimal	8622549
CIELab	61.55, 11.73, -36.45
CIELCh	62, 38.293, 287.835
Yxy	29.8802, 0.2452, 0.2327
Android (android.graphics.Color)	4286812629 (0xFF8391D5)
YUV	148.5660, 31.7660, -15.4054
Hunter-Lab	54.6628, 7.1886, -34.4707

Details

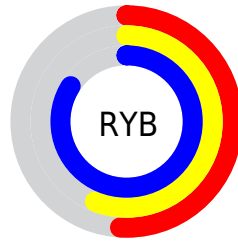
The XYZ color **31.4957, 29.8802, 67.0582** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **51.9616, 56.6326, 29.6665**, and the grayscale version is **28.2660, 29.7380, 32.3847**.

A 20% lighter version of the original color is **58.7231, 58.5060, 102.8055**, and **13.3243, 12.2308, 34.0063** is the 20% darker color. If you saturate the color by 10%, you get **26.0371, 23.3666, 66.0892**, and if you desaturate by 10%, it is **38.0541, 37.5849, 68.2002**.

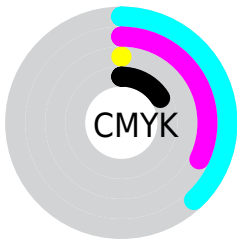
Distribution



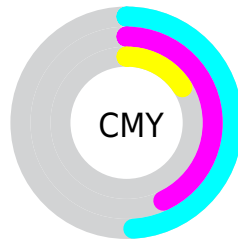
- Red (51%)
- Green (57%)
- Blue (84%)



- Red (51%)
- Yellow (56%)
- Blue (84%)



- Cyan (38%)
- Magenta (32%)
- Yellow (0%)
- Black (16%)



- Cyan (49%)
- Magenta (43%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4957, 29.8802, 67.0582 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 31.4957, 29.8802, 67.0582 by changing the saturation by 10% instead.

■ 31.4957, 29.8802,
67.0582

■ 31.4957, 29.8802,
67.0582

300.6018,
301.3456, 468.6590

■ 21.1303, 19.7477,
48.6700

■ 61.3902, 59.4727,
116.6452

■ 13.3323, 12.2118,
33.9940

■ 81.6500, 79.7014,
148.6812

■ 7.7363, 6.8881,
22.6117

■ 105.9386,
104.0643, 186.1035

■ 3.9771, 3.3922,
14.1045

134.6215,
132.9458, 229.3307

■ 1.6892, 1.3398,
8.0538

168.0638,
166.7303, 278.7813

■ 0.4495, 0.1717,
4.0411

206.6311,

■ 0.0000, 0.0000,

205.8022, 334.8738

1.6479

250.6887,
250.5458, 398.0269

■ 0.0000, 0.0000,
0.3247

■ 0.0000, 0.0000,
0.0000

■ 31.4957, 29.8802,
67.0582

■ 31.4957, 29.8802,
67.0582

■ 26.0371, 23.3666,
66.0892

■ 38.0541, 37.5849,
68.2002

■ 21.6141, 17.9805,
65.2827

■ 45.7656, 46.5332,
69.5210

■ 18.1603, 13.6574,
64.6303

■ 54.6837, 56.7786,
71.0285

■ 15.6003, 10.3246,
64.1219

■ 64.8576, 68.3703,
72.7297

■ 13.8467, 7.8997,
63.7463

■ 76.3336, 81.3550,
74.6312

■ 12.7766, 6.2772,
63.4895

■ 87.7426, 95.0486,
76.6730

■ 12.6523, 6.0881,
63.4596

■ 89.0103, 97.5841,
77.0956

Harmonies

Analogous

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



26.3927, 29.8802, 68.2239



31.4957, 29.8802, 67.0582



36.2665, 29.8802, 55.1371

Triad

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



31.4957, 29.8802, 67.0582



35.4689, 29.8802, 15.9023



19.8876, 29.8802, 26.9922

Complementary

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



31.4957, 29.8802, 67.0582



51.9616, 56.6326, 29.6665

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.



21.7626, 29.8802, 17.1466



31.4957, 29.8802, 67.0582



30.5071, 29.8802, 12.1453

Square

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



31.4957, 29.8802, 67.0582



38.7417, 29.8802, 24.7022



25.5145, 29.8802, 12.5201



20.0853, 29.8802, 41.8687

Rectangle

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



31.4957, 29.8802, 67.0582



38.4322, 29.8802, 44.2611



25.5145, 29.8802, 12.5201



20.2862, 29.8802, 23.0868

Sweetspot

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



31.4968, 29.8813, 67.0589



77.1070, 79.5160, 105.8919



43.3444, 56.4902, 62.0259



16.1218, 16.5808, 22.6007



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.



31.4968, 29.8813, 67.0589



40.6619, 36.9582, 99.5983



34.0257, 28.2027, 66.6016



11.9123, 12.3480, 15.6931



7.7799, 3.8216, 38.7807



0.5228, 0.3377, 2.3569

Inverse Universe

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



40.6686, 32.4242, 30.9042



56.4335, 41.8102, 37.3202



48.3935, 59.7969, 30.4653



12.5089, 12.4551, 13.3542



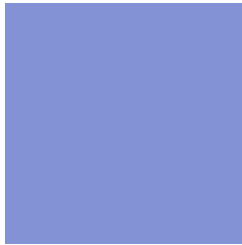
16.9858, 8.7306, 1.9633



1.0515, 0.5374, 0.2608

Previews

White Background



This preview shows how the XYZ color 31.4957, 29.8802, 67.0582 looks on a white background.

Color Contrast Check

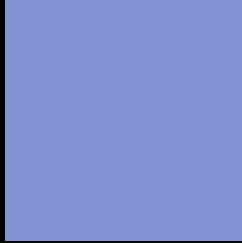
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4957, 29.8802, 67.0582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

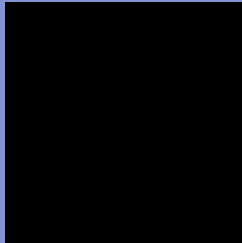
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.4957, 29.8802, 67.0582

Background



This preview shows how black text looks on a background with the XYZ color 31.4957, 29.8802, 67.0582.



This preview shows how white text looks on a background with the XYZ color 31.4957, 29.8802,

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

31.4957, 29.8802, 67.0582

Protanopia

31.1689, 29.9248, 67.7516

Deuteranopia

30.7561, 29.9566, 67.1120



Tritanopia

26.1843, 29.8574, 40.4594

Trichromacy



Original Color

31.4957, 29.8802, 67.0582

Protanomaly

31.3186, 30.0020, 67.7586

Deuteranomaly

31.0415, 29.8739, 67.0810

Tritanomaly

27.9260, 29.8372, 49.0870

Monochromacy



Original Color

31.4957, 29.8802, 67.0582

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.1916, 29.9091, 43.2642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4957, 29.8802, 67.0582 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(131, 145, 213)` looks like.

```
.text, #text, p{  
    color:rgb(131, 145, 213)  
}
```

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(131, 145, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 145, 213) }
```

Border

The CSS property to change the border of an element to XYZ 31.4957, 29.8802, 67.0582 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(131, 145, 213) }
```


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

```
.border{ border-color:rgb(131, 145, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 145, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 145, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 145, 213);  
box-shadow:4px 4px 4px 4px rgb(131, 145,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4957, 29.8802, 67.0582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 145, 213) }
```

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

```
.background{ background-color: rgb(131,  
145, 213) }
```

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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