

Converting Colors

XYZ(31.5516, 30.4025, 67.2138)

Have a look what the booklet for
XYZ(31.5516, 30.4025, 67.2138)
contains.

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Color

**XYZ(31.4972, 30.3387,
67.1467)**

Conversions

Conversions Part 1

Format	Color
Hex	8193D5
RGB	129, 147, 213
RGB Percent	51%, 58%, 84%
CMY	0.4941, 0.4235, 0.1647
CMYK	0.39, 0.31, 0.00, 0.16
HSL	227°, 50%, 67%
HSV	227°, 39%, 84%
XYZ	31.4972, 30.3387, 67.1467
YIQ	149.1420, -31.9140, 16.7100

Conversions

Conversions Part 2

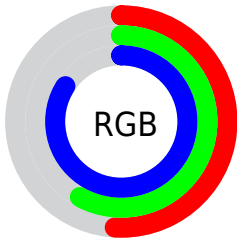
Format	Color
RYB	129, 144, 213
Decimal	8491989
CIELab	61.95, 10.03, -35.85
CIElCh	62, 37.225, 285.635
Yxy	30.3387, 0.2442, 0.2352
Android (android.graphics.Color)	4286682069 (0xFF8193D5)
YUV	149.1420, 31.4820, -17.6645
Hunter-Lab	55.0806, 5.6822, -33.7218

Details

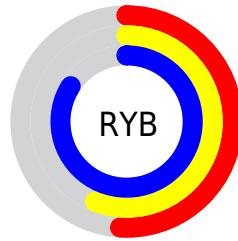
The XYZ color **31.4972, 30.3387, 67.1467** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.9189, 54.7622, 28.6565**, and the grayscale version is **28.5090, 29.9937, 32.6631**.

A 20% lighter version of the original color is **58.7038, 59.1836, 102.9373**, and **13.3479, 12.5139, 34.0597** is the 20% darker color. If you saturate the color by 10%, you get **26.1769, 24.0101, 66.2061**, and if you desaturate by 10%, it is **37.8727, 37.7744, 68.2465**.

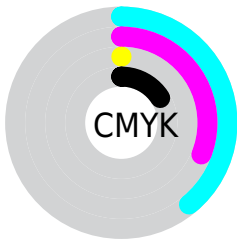
Distribution



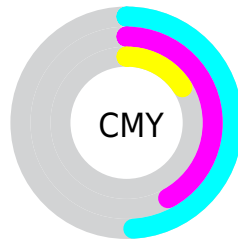
- Red (51%)
- Green (58%)
- Blue (84%)



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



- Cyan (39%)
- Magenta (31%)
- Yellow (0%)
- Black (16%)



- Cyan (49%)
- Magenta (42%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4972, 30.3387, 67.1467 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 31.4972, 30.3387, 67.1467 by changing the saturation by 10% instead.

■ 31.4972, 30.3387,
67.1467

■ 31.4972, 30.3387,
67.1467

300.6086,
303.4800, 468.9825

■ 21.1314, 20.0958,
48.7415

■ 61.3926, 60.1974,
116.7732

■ 13.3331, 12.4647,
34.0503

■ 81.6528, 80.5820,
148.8317

■ 7.7369, 7.0610,
22.6546

■ 105.9420,
105.1160, 186.2782

■ 3.9774, 3.5003,
14.1358

134.6254,
134.1837, 229.5315

■ 1.6894, 1.3982,
8.0753

168.0684,
168.1696, 279.0101

■ 0.4496, 0.2154,
4.0547

206.6364,

■ 0.0000, 0.0000,

207.4580, 335.1324

1.6554

250.6946,
252.4333, 398.3170

■ 0.0000, 0.0000,
0.3299

■ 0.0000, 0.0000,
0.0000

■ 31.4972, 30.3387,
67.1467

■ 31.4972, 30.3387,
67.1467

■ 26.1769, 24.0101,
66.2061

■ 37.8727, 37.7744,
68.2465

■ 21.8499, 18.7309,
65.4152

■ 45.3539, 46.3644,
69.5102

■ 18.4530, 14.4431,
64.7666

■ 53.9921, 56.1569,
70.9451

■ 15.9136, 11.0813,
64.2516

■ 63.8343, 67.1967,
72.5572

■ 14.1479, 8.5715,
63.8602

■ 74.9248, 79.5260,
74.3525

■ 13.0255, 6.8122,
63.5797

■ 86.6389, 92.8413,
76.3052

■ 12.9735, 6.7304,
63.5667

■ 89.0104, 97.5841,
77.0957

Harmonies

Analogous

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



26.5228, 30.3387, 67.3998



31.4972, 30.3387, 67.1467



36.2454, 30.3387, 56.1852

Triad

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



31.4972, 30.3387, 67.1467



36.0706, 30.3387, 17.0388



20.5117, 30.3387, 26.6807

Complementary

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



31.4972, 30.3387, 67.1467



50.9189, 54.7622, 28.6565

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.



22.5122, 30.3387, 17.3172



31.4972, 30.3387, 67.1467



31.2799, 30.3387, 12.9388

Square

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



31.4972, 30.3387, 67.1467



39.0861, 30.3387, 26.1740



26.3291, 30.3387, 13.0233



20.5556, 30.3387, 40.9980

Rectangle

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



31.4972, 30.3387, 67.1467



38.4782, 30.3387, 45.7015



26.3291, 30.3387, 13.0233



20.9564, 30.3387, 22.9540

Sweetspot

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



31.4983, 30.3398, 67.1474



77.4785, 80.2591, 106.0157



42.6761, 56.1875, 60.1081



16.2086, 16.7545, 22.6296



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.



31.4983, 30.3398, 67.1474



40.7814, 37.8145, 99.7573



32.9607, 27.2586, 66.4756



11.9562, 12.4358, 15.7077



7.9859, 4.2336, 38.8494



0.5433, 0.3787, 2.3638

Inverse Universe

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



40.5582, 31.9543, 31.6351



56.3431, 41.1971, 38.6229



48.7935, 60.0186, 29.7831



12.5311, 12.4639, 13.4709



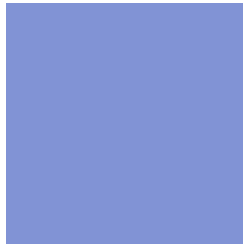
17.0898, 8.7722, 2.5109



1.0619, 0.5415, 0.3153

Previews

White Background



This preview shows how the XYZ color 31.4972, 30.3387, 67.1467 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 31.4972, 30.3387, 67.1467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

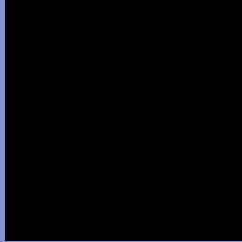
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.4972, 30.3387, 67.1467

Background



This preview shows how black text looks on a background with the XYZ color 31.4972, 30.3387, 67.1467.



This preview shows how white text looks on a background with the XYZ color 31.4972, 30.3387,

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

31.4972, 30.3387, 67.1467

Protanopia

31.3460, 30.2607, 67.1396

Deuteranopia

31.2043, 30.4195, 67.1777



Tritanopia

26.4276, 30.4556, 41.5314

Trichromacy



Original Color

31.4972, 30.3387, 67.1467

Protanomaly

31.3460, 30.2607, 67.1396

Deuteranomaly

31.3525, 30.4959, 67.1846

Tritanomaly

28.0690, 30.3807, 49.7321

Monochromacy



Original Color

31.4972, 30.3387, 67.1467

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 31.4972, 30.3387, 67.1467 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(129, 147, 213)` looks like.

```
.text, #text, p{  
    color:rgb(129, 147, 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(129, 147, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 147, 213) }
```

Border

The CSS property to change the border of an element to XYZ 31.4972, 30.3387, 67.1467 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(129, 147, 213) }
```


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

```
.border{ border-color:rgb(129, 147, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 147, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 147, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 147, 213);  
box-shadow:4px 4px 4px 4px rgb(129, 147,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4972, 30.3387, 67.1467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 147, 213) }
```

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

```
.background{ background-color: rgb(129,  
147, 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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