

Converting Colors

XYZ(31.2335, 30.6638, 67.8917)

Have a look what the booklet for
XYZ(31.2335, 30.6638, 67.8917)
contains.

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Color

**XYZ(31.1972, 30.6350,
67.8872)**

Conversions

Conversions Part 1

Format	Color
Hex	7C95D6
RGB	124, 149, 214
RGB Percent	49%, 58%, 84%
CMY	0.5137, 0.4157, 0.1608
CMYK	0.42, 0.30, 0.00, 0.16
HSL	223°, 52%, 66%
HSV	223°, 42%, 84%
XYZ	31.1972, 30.6350, 67.8872
YIQ	148.9350, -35.7650, 14.9150

Conversions

Conversions Part 2

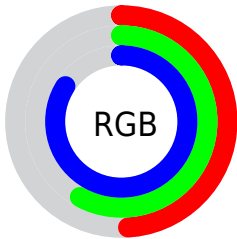
Format	Color
RYB	124, 144, 214
Decimal	8164822
CIELab	62.20, 7.84, -36.03
CIElCh	62, 36.878, 282.275
Yxy	30.6350, 0.2405, 0.2362
Android (android.graphics.Color)	4286354902 (0xFF7C95D6)
YUV	148.9350, 32.0770, -21.8680
Hunter-Lab	55.3489, 3.7503, -33.9769

Details

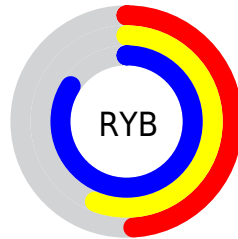
The XYZ color **31.1972, 30.6350, 67.8872** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **49.5682, 52.1477, 26.5230**, and the grayscale version is **28.4209, 29.9010, 32.5621**.

A 20% lighter version of the original color is **58.2283, 59.6352, 103.0495**, and **13.1741, 12.6921, 34.5564** is the 20% darker color. If you saturate the color by 10%, you get **26.1485, 24.6404, 66.9968**, and if you desaturate by 10%, it is **37.2437, 37.6268, 68.9186**.

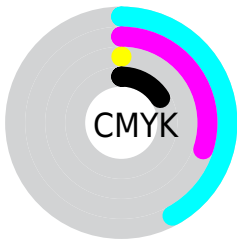
Distribution



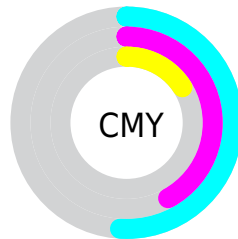
- Red (49%)
- Green (58%)
- Blue (84%)



- Red (49%)
- Yellow (56%)
- Blue (84%)



- Cyan (42%)
- Magenta (30%)
- Yellow (0%)
- Black (16%)



- Cyan (51%)
- Magenta (42%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1972, 30.6350, 67.8872 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 31.1972, 30.6350, 67.8872 by changing the saturation by 10% instead.

■ 31.1972, 30.6350,
67.8872

■ 31.1972, 30.6350,
67.8872

299.2565,
304.8532, 471.6835

■ 20.9016, 20.3211,
49.3399

■ 60.9241, 60.6650,
117.8434

■ 13.1642, 12.6286,
34.5216

■ 81.0862, 81.1498,
150.0894

■ 7.6195, 7.1733,
23.0140

■ 105.2678,
105.7937, 187.7387

■ 3.9022, 3.5707,
14.3985

133.8343,
134.9810, 231.2098

■ 1.6469, 1.4365,
8.2564

167.1511,
169.0963, 280.9213

■ 0.4227, 0.2434,
4.1693

205.5835,

■ 0.0000, 0.0000,

208.5238, 337.2917

1.7187

249.4968,
253.6480, 400.7396

■ 0.0000, 0.0000,
0.3735

■ 0.0000, 0.0000,
0.0000

■ 31.1972, 30.6350,
67.8872

■ 31.1972, 30.6350,
67.8872

■ 26.1485, 24.6404,
66.9968

■ 37.2437, 37.6268,
68.9186

■ 22.0377, 19.5917,
66.2390

■ 44.3366, 45.6570,
70.0948

■ 18.8034, 15.4377,
65.6076

■ 52.5251, 54.7685,
71.4219

■ 16.3747, 12.1204,
65.0953

■ 61.8544, 65.0005,
72.9052

■ 14.6685, 9.5734,
64.6936

■ 72.3670, 76.3905,
74.5496

■ 13.7246, 8.0288,
64.4452

■ 84.1031, 88.9739,
76.3599

■ 89.1377, 97.6351,
77.7663

Harmonies

Analogous

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



26.3038, 30.6350, 66.8111



31.1972, 30.6350, 67.8872



36.0315, 30.6350, 57.9845

Triad

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



31.1972, 30.6350, 67.8872



36.7773, 30.6350, 18.1239



20.9298, 30.6350, 25.6978

Complementary

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



31.1972, 30.6350, 67.8872



49.5682, 52.1477, 26.5230

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.



23.1501, 30.6350, 16.9259



31.1972, 30.6350, 67.8872



32.1254, 30.6350, 13.4872

Square

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



31.1972, 30.6350, 67.8872



39.4904, 30.6350, 27.8689



27.1326, 30.6350, 13.1222



20.7417, 30.6350, 39.5205

Rectangle

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



31.1972, 30.6350, 67.8872



38.4235, 30.6350, 47.7794



27.1326, 30.6350, 13.1222



21.4505, 30.6350, 22.1740

Sweetspot

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



31.1983, 30.6361, 67.8879



76.7205, 79.9103, 105.9884



41.4908, 56.0315, 56.4894



15.8180, 16.4356, 22.5886



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.



31.1983, 30.6361, 67.8879



39.9593, 37.9351, 99.8239



30.7608, 25.1560, 66.8532



12.0206, 12.5646, 15.7292



8.3713, 5.0043, 38.9779



0.5745, 0.4409, 2.3741

Inverse Universe

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



40.3649, 30.8825, 32.2683



55.4974, 39.2096, 39.2540



50.0622, 61.0847, 28.2220



12.5636, 12.4769, 13.6422



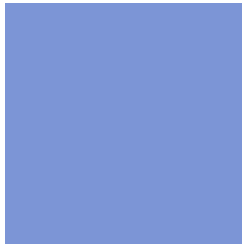
17.2843, 8.8500, 3.5352



1.0776, 0.5478, 0.3981

Previews

White Background



This preview shows how the XYZ color 31.1972, 30.6350, 67.8872 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 31.1972, 30.6350, 67.8872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

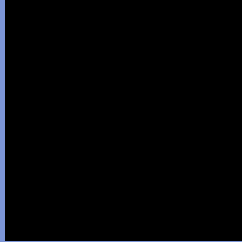
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.1972, 30.6350, 67.8872

Background



This preview shows how black text looks on a background with the XYZ color 31.1972, 30.6350, 67.8872.

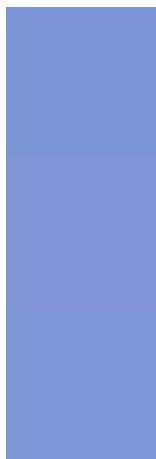


This preview shows how white text looks on a background with the XYZ color 31.1972, 30.6350,

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

31.1972, 30.6350, 67.8872

Protanopia

31.6534, 30.6510, 67.1987

Deuteranopia

31.4892, 30.7856, 67.9009



Tritanopia

25.9948, 30.4610, 42.5397

Trichromacy



Original Color

31.1972, 30.6350, 67.8872

Protanomaly

31.3525, 30.4959, 67.1846

Deuteranomaly

31.3425, 30.7099, 67.8940

Tritanomaly

27.6210, 30.3694, 50.8605

Monochromacy



Original Color

31.1972, 30.6350, 67.8872

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.1055, 30.0875, 43.8086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1972, 30.6350, 67.8872 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(124, 149, 214)` looks like.

```
.text, #text, p{  
    color:rgb(124, 149, 214)  
}
```

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(124, 149, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 149, 214) }
```

Border

The CSS property to change the border of an element to XYZ 31.1972, 30.6350, 67.8872 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(124, 149, 214) }
```


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

```
.border{ border-color:rgb(124, 149, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 149, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 149, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 149, 214);  
box-shadow:4px 4px 4px 4px rgb(124, 149,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1972, 30.6350, 67.8872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 149, 214) }
```

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

```
.background{ background-color: rgb(124,  
149, 214) }
```

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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