

Converting Colors

XYZ(30.9311, 31.7262, 64.2138)

Have a look what the booklet for
XYZ(30.9311, 31.7262, 64.2138)
contains.

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Color

**XYZ(30.9668, 31.8028,
64.1809)**

Conversions

Conversions Part 1

Format	Color
Hex	7A9AD0
RGB	122, 154, 208
RGB Percent	48%, 60%, 82%
CMY	0.5216, 0.3961, 0.1843
CMYK	0.41, 0.26, 0.00, 0.18
HSL	218°, 48%, 65%
HSV	218°, 41%, 82%
XYZ	30.9668, 31.8028, 64.1809
YIQ	150.5880, -36.4060, 10.0100

Conversions

Conversions Part 2

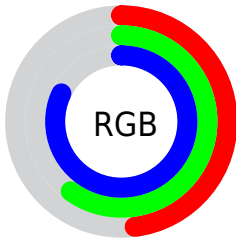
Format	Color
RYB	122, 145, 208
Decimal	8035024
CIELab	63.18, 2.76, -31.18
CIELCh	63, 31.297, 275.059
Yxy	31.8028, 0.2439, 0.2505
Android (android.graphics.Color)	4286225104 (0xFF7A9AD0)
YUV	150.5880, 28.3041, -25.0717
Hunter-Lab	56.3940, -0.6723, -28.0010

Details

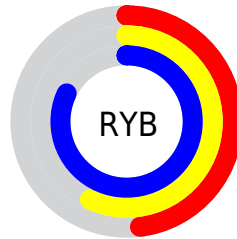
The XYZ color **30.9668, 31.8028, 64.1809** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **45.0516, 45.8668, 24.8924**, and the grayscale version is **29.1346, 30.6519, 33.3799**.

A 20% lighter version of the original color is **58.7373, 61.6789, 103.4172**, and **12.9839, 13.2293, 32.0062** is the 20% darker color. If you saturate the color by 10%, you get **26.2913, 26.3652, 63.3784**, and if you desaturate by 10%, it is **36.5093, 38.0368, 65.0926**.

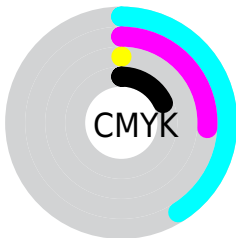
Distribution



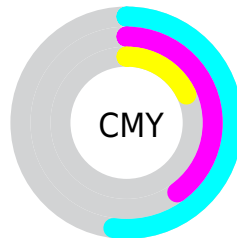
- Red (48%)
- Green (60%)
- Blue (82%)



- Red (48%)
- Yellow (57%)
- Blue (82%)



- Cyan (41%)
- Magenta (26%)
- Yellow (0%)
- Black (18%)



- Cyan (52%)
- Magenta (40%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9668, 31.8028, 64.1809 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 30.9668, 31.8028, 64.1809 by changing the saturation by 10% instead.

■ 30.9668, 31.8028,
64.1809

■ 30.9668, 31.8028,
64.1809

298.2149,
310.2200, 458.0680

■ 20.7253, 21.2109,
46.3501

■ 60.5640, 62.5018,
112.4734

■ 13.0346, 13.2783,
32.1715

■ 80.6504, 83.3777,
143.7722

■ 7.5296, 7.6204,
21.2266

■ 104.7491,
108.4505, 180.3973

■ 3.8447, 3.8531,
13.0969

133.2255,
138.1044, 222.7674

■ 1.6147, 1.5917,
7.3638

166.4449,
172.7239, 271.3010

■ 0.4019, 0.3520,
3.6088

204.7727,

■ 0.0000, 0.0000,

212.6934, 326.4166

1.4133

248.5743,
258.3973, 388.5327

■ 0.0000, 0.0000,
0.1520

■ 0.0000, 0.0000,
0.0000

■ 30.9668, 31.8028,
64.1809

■ 30.9668, 31.8028,
64.1809

■ 26.2913, 26.3652,
63.3784

■ 36.5093, 38.0368,
65.0926

■ 22.4314, 21.6846,
62.6783

■ 42.9598, 45.0970,
66.1154

■ 19.3352, 17.7231,
62.0769

■ 50.3601, 53.0159,
67.2539

■ 16.9424, 14.4373,
61.5688

■ 58.7488, 61.8229,
68.5117

■ 15.1822, 11.7776,
61.1482

■ 68.1620, 71.5462,
69.8923

■ 14.0669, 9.9173,
60.8479

■ 78.6339, 82.2123,
71.3992

■ 85.4069, 91.3774,
72.8112

■ 88.3853, 97.3341,
73.8040

Harmonies

Analogous

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



26.8548, 31.8028, 61.0228



30.9668, 31.8028, 64.1809



35.2604, 31.8028, 58.0100

Triad

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



30.9668, 31.8028, 64.1809



37.5584, 31.8028, 22.6701



23.2969, 31.8028, 25.5245

Complementary

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



30.9668, 31.8028, 64.1809



45.0516, 45.8668, 24.8924

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.



25.6981, 31.8028, 18.5625



30.9668, 31.8028, 64.1809



33.8717, 31.8028, 17.2110

Square

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



30.9668, 31.8028, 64.1809



39.2907, 31.8028, 32.5700



29.5003, 31.8028, 15.9098



22.6778, 31.8028, 36.7705

Rectangle

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



30.9668, 31.8028, 64.1809



37.5697, 31.8028, 50.1375



29.5003, 31.8028, 15.9098



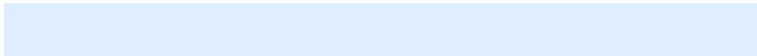
23.9104, 31.8028, 22.7002

Sweetspot

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



30.9679, 31.8040, 64.1817



78.8484, 82.9990, 106.4724



38.3240, 52.3466, 48.6597



16.5295, 17.3961, 22.7365



0.0000, 0.0000, 0.0000



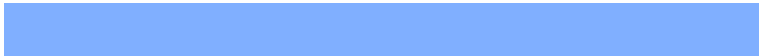
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.9679, 31.8040, 64.1817



42.1956, 42.4076, 100.5693



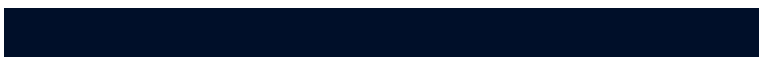
27.8668, 23.3827, 62.7196



11.5189, 12.1280, 14.9775



8.8525, 6.3517, 37.9519



0.5702, 0.5055, 2.1471

Inverse Universe

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



38.8056, 29.6632, 34.2532



56.6262, 39.6611, 45.1981



49.3494, 58.5188, 27.1079



11.9880, 11.8800, 13.2128



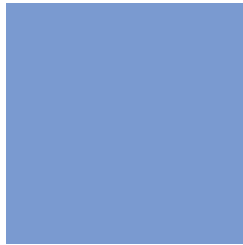
17.0991, 8.7125, 5.4280



0.9940, 0.5023, 0.5033

Previews

White Background



This preview shows how the XYZ color 30.9668, 31.8028, 64.1809 looks on a white background.

Color Contrast Check

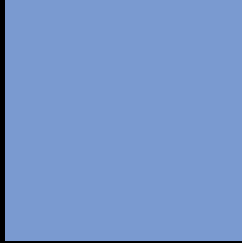
Large Text (above 18pt) WCAG AA × Fail

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 30.9668, 31.8028, 64.1809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

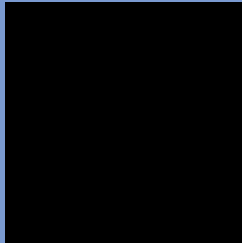
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

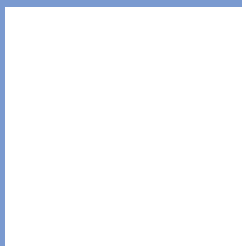
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.9668, 31.8028, 64.1809

Background



This preview shows how black text looks on a background with the XYZ color 30.9668, 31.8028, 64.1809.

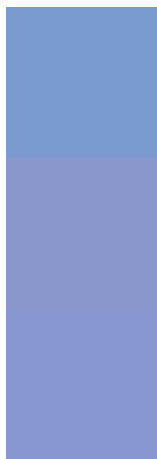


This preview shows how white text looks on a background with the XYZ color 30.9668, 31.8028,

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

30.9668, 31.8028, 64.1809

Protanopia

32.4026, 31.8594, 62.1993

Deuteranopia

32.5669, 31.8876, 64.7601



Tritanopia

26.9237, 31.6695, 44.2289

Trichromacy



Original Color

30.9668, 31.8028, 64.1809

Protanomaly

31.8845, 31.8182, 62.8536

Deuteranomaly

31.9428, 31.8057, 64.7772

Tritanomaly

28.2922, 31.7119, 51.0842

Monochromacy



Original Color

30.9668, 31.8028, 64.1809

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.4898, 31.0105, 43.4611

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9668, 31.8028, 64.1809 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(122, 154, 208)` looks like.

```
.text, #text, p{  
    color:rgb(122, 154, 208)  
}
```

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(122, 154, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 154, 208) }
```

Border

The CSS property to change the border of an element to XYZ 30.9668, 31.8028, 64.1809 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(122, 154, 208) }
```


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

```
.border{ border-color:rgb(122, 154, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 154, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 154, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 154, 208);  
box-shadow:4px 4px 4px 4px rgb(122, 154,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9668, 31.8028, 64.1809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 154, 208) }
```

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

```
.background{ background-color: rgb(122,  
154, 208) }
```

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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