

Converting Colors

XYZ(31.7234, 33.1969, 64.7999)

Have a look what the booklet for
XYZ(31.7234, 33.1969, 64.7999)
contains.

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Color

**XYZ(31.7615, 33.1947,
65.0548)**

Conversions

Conversions Part 1

Format	Color
Hex	7A9ED1
RGB	122, 158, 209
RGB Percent	48%, 62%, 82%
CMY	0.5216, 0.3804, 0.1804
CMYK	0.42, 0.24, 0.00, 0.18
HSL	215°, 49%, 65%
HSV	215°, 42%, 82%
XYZ	31.7615, 33.1947, 65.0548
YIQ	153.0500, -37.8270, 8.2290

Conversions

Conversions Part 2

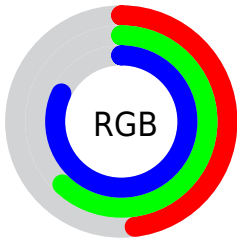
Format	Color
R_{YB}	122, 147, 209
Decimal	8036049
CIE _{Lab}	64.32, 0.77, -29.97
CIE _{LCh}	64, 29.980, 271.471
Yxy	33.1947, 0.2443, 0.2553
Android (android.graphics.Color)	4286226129 (0xFF7A9ED1)
YUV	153.0500, 27.5834, -27.2308
Hunter-Lab	57.6148, -2.4238, -26.6159

Details

The XYZ color **31.7615, 33.1947, 65.0548** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **44.7518, 44.8487, 24.7116**, and the grayscale version is **30.1965, 31.7690, 34.5965**.

A 20% lighter version of the original color is **59.7249, 63.6541, 103.7464**, and **13.4743, 14.0774, 32.5789** is the 20% darker color. If you saturate the color by 10%, you get **27.1277, 27.8572, 64.2694**, and if you desaturate by 10%, it is **37.2423, 39.2795, 65.9410**.

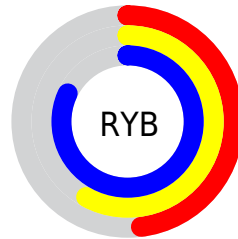
Distribution



Red (48%)

Green (62%)

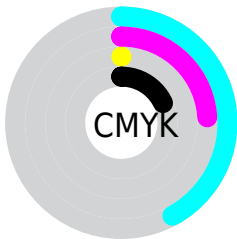
Blue (82%)



Red (48%)

Yellow (58%)

Blue (82%)

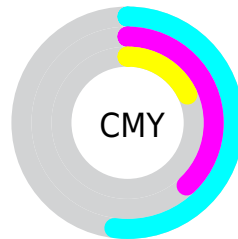


Cyan (42%)

Magenta (24%)

Yellow (0%)

Black (18%)



Cyan (52%)

Magenta (38%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7615, 33.1947, 65.0548 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 31.7615, 33.1947, 65.0548 by changing the saturation by 10% instead.

■ 31.7615, 33.1947,
65.0548

■ 31.7615, 33.1947,
65.0548

301.7960,
316.5261, 461.3005

■ 21.3341, 22.2756,
47.0539

■ 61.8047, 64.6794,
113.7427

■ 13.4823, 14.0596,
32.7236

■ 82.1512, 86.0138,
145.2667

■ 7.8407, 8.1621,
21.6454

■ 106.5348,
111.5888, 182.1355

■ 4.0442, 4.1989,
13.4008

135.3208,
141.7887, 224.7677

■ 1.7271, 1.7854,
7.5711

168.8745,
176.9981, 273.5817

■ 0.4732, 0.4781,
3.7380

207.5614,

■ 0.0000, 0.0000,

217.6011, 328.9962

1.4827

251.7468,
263.9824, 391.4296

■ 0.0000, 0.0000,
0.2050

■ 0.0000, 0.0000,
0.0000

■ 31.7615, 33.1947,
65.0548

■ 31.7615, 33.1947,
65.0548

■ 27.1277, 27.8572,
64.2694

■ 37.2423, 39.2795,
65.9410

■ 23.2902, 23.2299,
63.5785

■ 43.6100, 46.1388,
66.9294

■ 20.1979, 19.2775,
62.9786

■ 50.9059, 53.8028,
68.0242

■ 17.7912, 15.9596,
62.4650

■ 59.1678, 62.2991,
69.2287

■ 16.0001, 13.2294,
62.0324

■ 68.4310, 71.6535,
70.5460

■ 14.8752, 11.3365,
61.7263

■ 78.7291, 81.8909,
71.9792

■ 85.0288, 90.4236,
73.2942

■ 88.5087, 97.3835,
74.4542

Harmonies

Analogous

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



27.7956, 33.1947, 60.9388



31.7615, 33.1947, 65.0548



36.0261, 33.1947, 60.0889

Triad

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



31.7615, 33.1947, 65.0548



39.0704, 33.1947, 25.2211



24.8833, 33.1947, 26.0514

Complementary

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



31.7615, 33.1947, 65.0548



44.7518, 44.8487, 24.7116

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.



27.4619, 33.1947, 19.5915



31.7615, 33.1947, 65.0548



35.6293, 33.1947, 19.1935

Square

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



31.7615, 33.1947, 65.0548



40.4742, 33.1947, 35.5440



31.3406, 33.1947, 17.3892



24.0456, 33.1947, 36.7495

Rectangle

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



31.7615, 33.1947, 65.0548



38.4069, 33.1947, 52.8261



31.3406, 33.1947, 17.3892



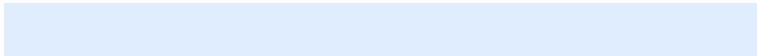
25.5630, 33.1947, 23.4044

Sweetspot

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



31.7626, 33.1960, 65.0556



79.2168, 83.7356, 106.5952



38.3461, 52.7468, 47.5696



16.6159, 17.5690, 22.7654



0.0000, 0.0000, 0.0000



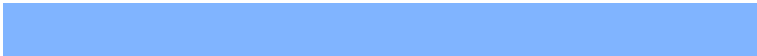
20.3446, 21.4041, 23.3091

Same Dimension

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



31.7626, 33.1960, 65.0556



43.2506, 44.5175, 100.9209



27.5606, 23.2105, 63.3497



11.5598, 12.2098, 14.9911



9.2637, 7.1739, 38.0889



0.5954, 0.5560, 2.1555

Inverse Universe

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



39.4265, 29.9442, 36.0507



57.1587, 39.8741, 48.0021



50.6036, 59.5285, 27.2367



12.0087, 11.8882, 13.3215



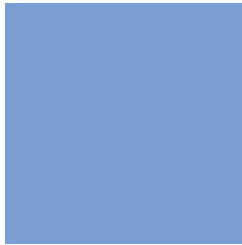
17.3066, 8.7955, 6.5207



1.0068, 0.5074, 0.5704

Previews

White Background



This preview shows how the XYZ color 31.7615, 33.1947, 65.0548 looks on a white background.

Color Contrast Check

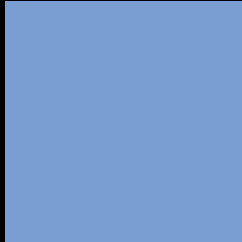
Large Text (above 18pt) WCAG AA × Fail

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 31.7615, 33.1947, 65.0548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

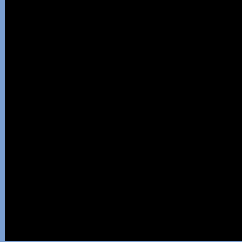
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.7615, 33.1947, 65.0548

Background



This preview shows how black text looks on a background with the XYZ color 31.7615, 33.1947, 65.0548.

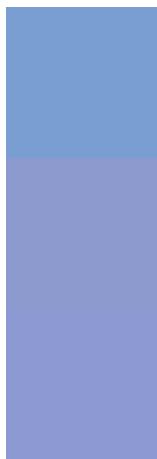


This preview shows how white text looks on a background with the XYZ color 31.7615, 33.1947,

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

31.7615, 33.1947, 65.0548

Protanopia

33.6807, 33.2302, 63.0314

Deuteranopia

33.8393, 33.0111, 65.5610



Tritanopia

28.0213, 33.2360, 46.5333

Trichromacy



Original Color

31.7615, 33.1947, 65.0548

Protanomaly

32.8153, 33.0160, 63.6747

Deuteranomaly

33.0271, 33.0824, 65.6176

Tritanomaly

29.3081, 33.2278, 53.0130

Monochromacy



Original Color

31.7615, 33.1947, 65.0548

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.4195, 32.2106, 44.1492

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7615, 33.1947, 65.0548 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, 158, 209)` looks like.

```
.text, #text, p{  
    color:rgb(122, 158, 209)  
}
```

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, 158, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 158, 209) }
```

Border

The CSS property to change the border of an element to XYZ 31.7615, 33.1947, 65.0548 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, 158, 209) }
```


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

```
.border{ border-color:rgb(122, 158, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 158, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 158, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 158, 209);  
box-shadow:4px 4px 4px 4px rgb(122, 158,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7615, 33.1947, 65.0548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 158, 209) }
```

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

```
.background{ background-color: rgb(122,  
158, 209) }
```

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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