

Converting Colors

XYZ(33.2133, 34.7406, 63.9866)

Have a look what the booklet for
XYZ(33.2133, 34.7406, 63.9866)
contains.

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Color

**XYZ(33.2133, 34.7406,
63.9866)**

Conversions

Conversions Part 1

Format	Color
Hex	82A1CF
RGB	130, 161, 207
RGB Percent	51%, 63%, 81%
CMY	0.4902, 0.3686, 0.1882
CMYK	0.37, 0.22, 0.00, 0.19
HSL	216°, 45%, 66%
HSV	216°, 37%, 81%
XYZ	33.2133, 34.7406, 63.9866
YIQ	156.9750, -33.2420, 7.7340

Conversions

Conversions Part 2

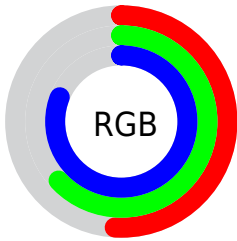
Format	Color
RYB	130, 152, 207
Decimal	8561103
CIELab	65.55, 0.68, -26.93
CIELCh	66, 26.934, 271.457
Yxy	34.7406, 0.2517, 0.2633
Android (android.graphics.Color)	4286751183 (0xFF82A1CF)
YUV	156.9750, 24.6623, -23.6571
Hunter-Lab	58.9412, -2.5624, -23.1065

Details

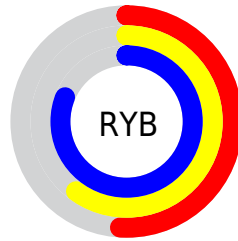
The XYZ color **33.2133, 34.7406, 63.9866** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **45.2875, 45.9285, 27.5985**, and the grayscale version is **31.9409, 33.6043, 36.5951**.

A 20% lighter version of the original color is **62.6135, 66.6460, 104.1716**, and **14.3040, 14.9966, 31.8465** is the 20% darker color. If you saturate the color by 10%, you get **28.2967, 29.1557, 63.1684**, and if you desaturate by 10%, it is **38.9846, 41.0849, 64.9076**.

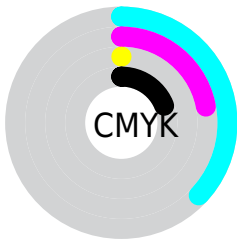
Distribution



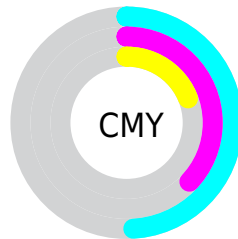
- Red (51%)
- Green (63%)
- Blue (81%)



- Red (51%)
- Yellow (60%)
- Blue (81%)



- Cyan (37%)
- Magenta (22%)
- Yellow (0%)
- Black (19%)



- Cyan (49%)
- Magenta (37%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2133, 34.7406, 63.9866 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 33.2133, 34.7406, 63.9866 by changing the saturation by 10% instead.

■ 33.2133, 34.7406,
63.9866

■ 33.2133, 34.7406,
63.9866

308.2578,
323.4219, 457.3474

■ 22.4499, 23.4631,
46.1937

■ 64.0609, 67.0837,
112.1909

■ 14.3063, 14.9358,
32.0489

■ 84.8757, 88.9182,
143.4394

■ 8.4171, 8.7744,
21.1338

■ 109.7718,
115.0404, 180.0102

■ 4.4170, 4.5943,
13.0296

139.1145,
145.8347, 222.3218

■ 1.9407, 2.0113,
7.3180

173.2690,
181.6857, 270.7928

■ 0.6003, 0.6140,
3.5803

212.6009,

■ 0.0000, 0.0000,

222.9776, 325.8417

1.3980

257.4753,
270.0949, 387.8871

■ 0.0000, 0.0000,
0.1402

■ 0.0000, 0.0000,
0.0000

■ 33.2133, 34.7406,
63.9866

■ 33.2133, 34.7406,
63.9866

■ 28.2967, 29.1557,
63.1684

■ 38.9846, 41.0849,
64.9076

■ 24.1868, 24.2940,
62.4466

■ 45.6484, 48.2147,
65.9326

■ 20.8355, 20.1219,
61.8179

■ 53.2444, 56.1596,
67.0657

■ 18.1877, 16.6010,
61.2779

■ 61.8085, 64.9463,
68.3104

■ 16.1798, 13.6877,
60.8214

■ 71.3749, 74.6001,
69.6695

■ 14.7278, 11.3275,
60.4423

■ 81.9759, 85.1455,
71.1463

■ 14.3819, 10.7437,
60.3479

■ 85.9367, 92.6333,
72.3828

■ 88.2626, 97.2850,
73.1581

Harmonies

Analogous

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



29.5241, 34.7406, 60.3179



33.2133, 34.7406, 63.9866



37.1417, 34.7406, 59.5665

Triad

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



33.2133, 34.7406, 63.9866



39.9275, 34.7406, 27.5781



26.7905, 34.7406, 28.3610

Complementary

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



33.2133, 34.7406, 63.9866



45.2875, 45.9285, 27.5985

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.



29.2149, 34.7406, 22.1476



33.2133, 34.7406, 63.9866



36.7813, 34.7406, 21.7629

Square

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



33.2133, 34.7406, 63.9866



41.2043, 34.7406, 37.2765



32.8272, 34.7406, 19.9905



25.9980, 34.7406, 38.3821

Rectangle

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



33.2133, 34.7406, 63.9866



39.3199, 34.7406, 53.0537



32.8272, 34.7406, 19.9905



27.4316, 34.7406, 25.8334

Sweetspot

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



33.2144, 34.7419, 63.9874



80.3581, 84.8335, 106.7469



39.2494, 52.4642, 48.5735



16.8408, 17.7824, 22.7947



0.0000, 0.0000, 0.0000



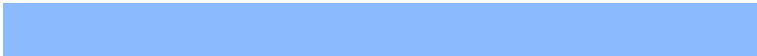
20.3446, 21.4041, 23.3091

Same Dimension

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



33.2144, 34.7419, 63.9874



46.5610, 48.1245, 101.4427



29.4674, 25.7407, 62.4475



11.5488, 12.1878, 14.9875



9.1484, 6.9434, 38.0505



0.5884, 0.5420, 2.1532

Inverse Universe

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



40.1488, 31.8050, 37.7425



59.5654, 43.6536, 51.9916



50.3184, 58.5979, 29.7788



12.0031, 11.8860, 13.2923



17.2484, 8.7722, 6.2144



1.0032, 0.5060, 0.5519

Previews

White Background



This preview shows how the XYZ color 33.2133, 34.7406, 63.9866 looks on a white background.

Color Contrast Check

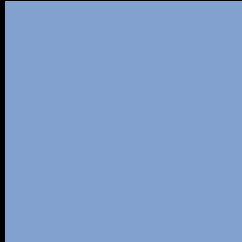
Large Text (above 18pt) WCAG AA × Fail

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 33.2133, 34.7406, 63.9866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

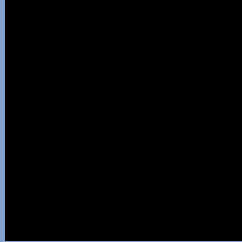
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

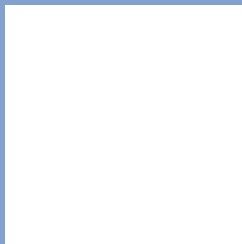
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.2133, 34.7406, 63.9866

Background



This preview shows how black text looks on a background with the XYZ color 33.2133, 34.7406, 63.9866.



This preview shows how white text looks on a background with the XYZ color 33.2133, 34.7406,

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

33.2133, 34.7406, 63.9866

Protanopia

34.9887, 34.6766, 61.9759

Deuteranopia

35.4864, 34.6269, 64.4878



Tritanopia

29.9413, 34.7381, 47.7749

Trichromacy



Original Color

33.2133, 34.7406, 63.9866

Protanomaly

34.2308, 34.5242, 62.6173

Deuteranomaly

34.5965, 34.6705, 64.5432

Tritanomaly

31.0650, 34.6607, 53.1970

Monochromacy



Original Color

33.2133, 34.7406, 63.9866

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.9973, 33.7519, 45.3858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2133, 34.7406, 63.9866 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(130, 161, 207)` looks like.

```
.text, #text, p{  
    color:rgb(130, 161, 207)  
}
```

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(130, 161, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 161, 207) }
```

Border

The CSS property to change the border of an element to XYZ 33.2133, 34.7406, 63.9866 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(130, 161, 207) }
```


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

```
.border{ border-color:rgb(130, 161, 207) }
```

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

Here you see how a box with a 4 pixel rgb(130, 161, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 161, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 161, 207);  
box-shadow:4px 4px 4px 4px rgb(130, 161,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2133, 34.7406, 63.9866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 161, 207) }
```

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

```
.background{ background-color: rgb(130,  
161, 207) }
```

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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