

Converting Colors

XYZ(31.2683, 33.2277, 61.6387)

Have a look what the booklet for
XYZ(31.2683, 33.2277, 61.6387)
contains.

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Color

**XYZ(31.3233, 33.2935,
61.9021)**

Conversions

Conversions Part 1

Format	Color
Hex	7A9FCC
RGB	122, 159, 204
RGB Percent	48%, 62%, 80%
CMY	0.5216, 0.3765, 0.2000
CMYK	0.40, 0.22, 0.00, 0.20
HSL	213°, 45%, 64%
HSV	213°, 40%, 80%
XYZ	31.3233, 33.2935, 61.9021
YIQ	153.0670, -36.4970, 6.1510

Conversions

Conversions Part 2

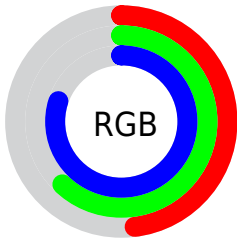
Format	Color
R_{YB}	122, 147, 204
Decimal	8036300
CIE _{Lab}	64.40, -1.18, -27.07
CIE _{LCh}	64, 27.092, 267.511
Yxy	33.2935, 0.2476, 0.2632
Android (android.graphics.Color)	4286226380 (0xFF7A9FCC)
YUV	153.0670, 25.1100, -27.2458
Hunter-Lab	57.7005, -4.0754, -23.2170

Details

The XYZ color **31.3233, 33.2935, 61.9021** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **42.2343, 41.8809, 24.2715**, and the grayscale version is **30.2139, 31.7874, 34.6165**.

A 20% lighter version of the original color is **60.2280, 64.6602, 103.9141**, and **13.3218, 14.1923, 30.8914** is the 20% darker color. If you saturate the color by 10%, you get **26.8936, 28.2809, 61.1686**, and if you desaturate by 10%, it is **36.5358, 38.9700, 62.7236**.

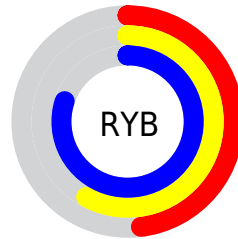
Distribution



Red (48%)

Green (62%)

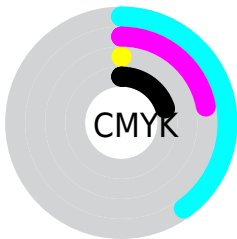
Blue (80%)



Red (48%)

Yellow (58%)

Blue (80%)

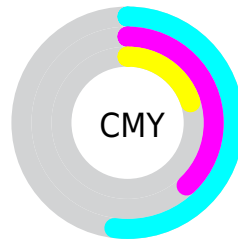


Cyan (40%)

Magenta (22%)

Yellow (0%)

Black (20%)



Cyan (52%)

Magenta (38%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3233, 33.2935, 61.9021 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 31.3233, 33.2935, 61.9021 by changing the saturation by 10% instead.

■ 31.3233, 33.2935,
61.9021

■ 31.3233, 33.2935,
61.9021

299.8254,
316.9702, 449.5717

■ 20.9982, 22.3514,
44.5183

■ 61.1211, 64.8335,
109.1542

■ 13.2351, 14.1153,
30.7380

■ 81.3245, 86.2001,
139.8597

■ 7.6688, 8.2009,
20.1426

■ 105.5514,
111.8104, 175.8428

■ 3.9338, 4.2238,
12.3137

134.1671,
142.0487, 217.5220

■ 1.6647, 1.7995,
6.8325

167.5370,
177.2995, 265.3160

■ 0.4340, 0.4869,
3.2807

206.0264,

■ 0.0000, 0.0000,

217.9470, 319.6433

1.2397

250.0008,
264.3758, 380.9223

■ 0.0000, 0.0000,
0.0116

■ 0.0000, 0.0000,
0.0000

■ 31.3233, 33.2935,
61.9021

■ 31.3233, 33.2935,
61.9021

■ 26.8936, 28.2809,
61.1686

■ 36.5358, 38.9700,
62.7236

■ 23.2007, 23.8994,
60.5176

■ 42.5673, 45.3334,
63.6340

■ 20.1982, 20.1187,
59.9461

■ 49.4553, 52.4101,
64.6369

■ 17.8325, 16.9038,
59.4502

■ 57.2341, 60.2240,
65.7352

■ 16.0407, 14.2143,
59.0255

■ 65.9360, 68.7975,
66.9314

■ 14.7306, 12.0226,
58.6715

■ 75.5915, 78.1523,
68.2281

■ 82.5302, 86.4017,
69.4547

■ 85.8802, 93.1017,
70.5714

■ 87.8992, 97.1397,
71.2444

Harmonies

Analogous

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



27.8231, 33.2935, 57.2975



31.3233, 33.2935, 61.9021



35.1980, 33.2935, 58.5590

Triad

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



31.3233, 33.2935, 61.9021



38.6938, 33.2935, 27.2925



25.7881, 33.2935, 25.9908

Complementary

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



31.3233, 33.2935, 61.9021



42.2343, 41.8809, 24.2715

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.



28.3386, 33.2935, 20.4784



31.3233, 33.2935, 61.9021



35.8006, 33.2935, 21.1156

Square

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



31.3233, 33.2935, 61.9021



39.6533, 33.2935, 37.1818



31.9678, 33.2935, 18.8924



24.7939, 33.2935, 35.3358

Rectangle

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



31.3233, 33.2935, 61.9021



37.4388, 33.2935, 52.5862



31.9678, 33.2935, 18.8924



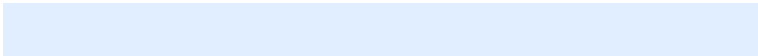
26.4811, 33.2935, 23.7062

Sweetspot

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



31.3244, 33.2948, 61.9029



79.5496, 84.4012, 106.7061



36.4784, 50.0675, 43.6908



16.6940, 17.7253, 22.7914



0.0000, 0.0000, 0.0000



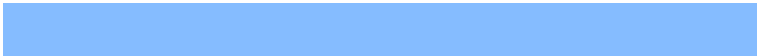
20.3446, 21.4041, 23.3091

Same Dimension

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



31.3244, 33.2948, 61.9029



45.6067, 48.0677, 101.4820



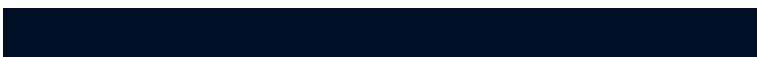
26.2783, 22.6199, 60.1084



11.0116, 11.6637, 14.2413



9.3619, 7.7477, 36.9583



0.5584, 0.5505, 1.9318

Inverse Universe

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



38.1204, 29.2608, 36.4409



58.6316, 41.5492, 52.4103



49.2656, 57.0461, 26.8280



11.4192, 11.2964, 12.7423



16.9363, 8.5851, 7.3834



0.9118, 0.4581, 0.5814

Previews

White Background



This preview shows how the XYZ color 31.3233, 33.2935, 61.9021 looks on a white background.

Color Contrast Check

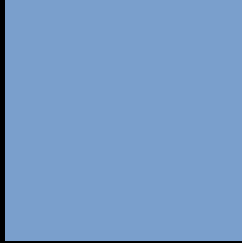
Large Text (above 18pt) WCAG AA × Fail

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 31.3233, 33.2935, 61.9021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

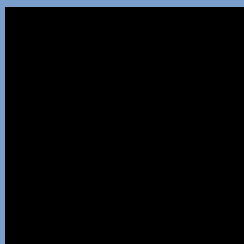
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

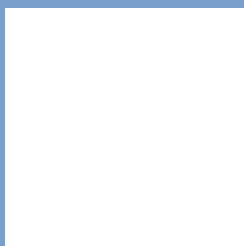
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3233, 33.2935, 61.9021

Background



This preview shows how black text looks on a background with the XYZ color 31.3233, 33.2935, 61.9021.

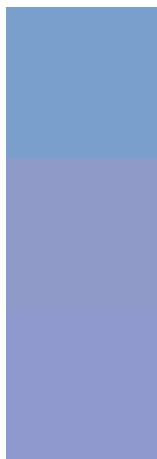


This preview shows how white text looks on a background with the XYZ color 31.3233, 33.2935,

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

31.3233, 33.2935, 61.9021

Protanopia

33.4825, 33.2106, 59.2892

Deuteranopia

33.9123, 33.1195, 62.3629



Tritanopia

28.2815, 33.3701, 46.5454

Trichromacy



Original Color

31.3233, 33.2935, 61.9021

Protanomaly

32.5844, 33.2282, 59.9546

Deuteranomaly

32.8941, 33.0847, 62.4099

Tritanomaly

29.3612, 33.2801, 51.8899

Monochromacy



Original Color

31.3233, 33.2935, 61.9021

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.3231, 32.1720, 43.6414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3233, 33.2935, 61.9021 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, 159, 204)` looks like.

```
.text, #text, p{  
    color:rgb(122, 159, 204)  
}
```

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, 159, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 159, 204) }
```

Border

The CSS property to change the border of an element to XYZ 31.3233, 33.2935, 61.9021 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, 159, 204) }
```


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

```
.border{ border-color:rgb(122, 159, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 159, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 159, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 159, 204);  
box-shadow:4px 4px 4px 4px rgb(122, 159,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3233, 33.2935, 61.9021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 159, 204) }
```

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

```
.background{ background-color: rgb(122,  
159, 204) }
```

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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