

Converting Colors

XYZ(33.7173, 31.5482, 74.8333)

Have a look what the booklet for
XYZ(33.7173, 31.5482, 74.8333)
contains.

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Color

**XYZ(33.7173, 31.5482,
74.8333)**

Conversions

Conversions Part 1

Format	Color
Hex	8594E0
RGB	133, 148, 224
RGB Percent	52%, 58%, 88%
CMY	0.4784, 0.4196, 0.1216
CMYK	0.41, 0.34, 0.00, 0.12
HSL	230°, 59%, 70%
HSV	230°, 41%, 88%
XYZ	33.7173, 31.5482, 74.8333
YIQ	152.1790, -33.3360, 20.4560

Conversions

Conversions Part 2

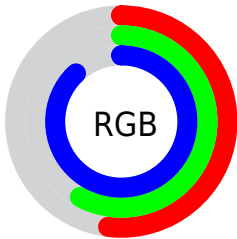
Format	Color
R _Y B	133, 146, 224
Decimal	8754400
CIE Lab	62.97, 13.57, -40.35
CIE LCh	63, 42.569, 288.591
Yxy	31.5482, 0.2407, 0.2252
Android (android.graphics.Color)	4286944480 (0xFF8594E0)
YUV	152.1790, 35.4078, -16.8200
Hunter-Lab	56.1678, 8.8592, -39.6756

Details

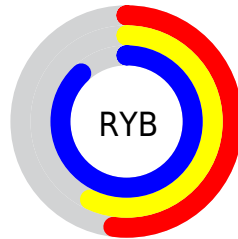
The XYZ color **33.7173, 31.5482, 74.8333** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **57.7755, 63.1428, 31.3344**, and the grayscale version is **29.7855, 31.3366, 34.1256**.

A 20% lighter version of the original color is **60.1568, 60.2799, 103.0723**, and **14.5775, 13.1822, 38.8219** is the 20% darker color. If you saturate the color by 10%, you get **27.8496, 24.5140, 73.7854**, and if you desaturate by 10%, it is **40.8156, 39.9220, 76.0761**.

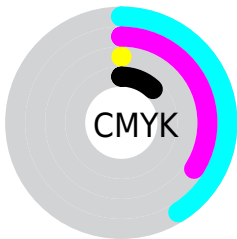
Distribution



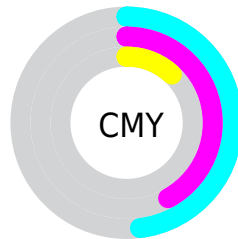
- Red (52%)
- Green (58%)
- Blue (88%)



- Red (52%)
- Yellow (57%)
- Blue (88%)



- Cyan (41%)
- Magenta (34%)
- Yellow (0%)
- Black (12%)



- Cyan (48%)
- Magenta (42%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7173, 31.5482, 74.8333 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 33.7173, 31.5482, 74.8333 by changing the saturation by 10% instead.

■ 33.7173, 31.5482,
74.8333

■ 33.7173, 31.5482,
74.8333

310.4778,
309.0560, 496.5845

■ 22.8384, 21.0166,
54.9754

■ 64.8410, 62.1021,
127.8213

■ 14.5942, 13.1362,
38.9836

■ 85.8165, 82.8933,
161.7885

■ 8.6196, 7.5224,
26.4392

■ 110.8882,
107.8731, 201.2959

■ 4.5490, 3.7909,
16.9238

140.4216,
137.4260, 246.7620

■ 2.0172, 1.5573,
10.0188

174.7818,
171.9363, 298.6054

■ 0.6436, 0.3285,
5.3057

214.3344,

■ 0.0000, 0.0000,

211.7885, 357.2446

2.3658

259.4446,
257.3669, 423.0981

■ 0.0000, 0.0000,
0.7678

■ 0.0000, 0.0000,
0.0000

■ 33.7173, 31.5482,
74.8333

■ 33.7173, 31.5482,
74.8333

■ 27.8496, 24.5140,
73.7854

■ 40.8156, 39.9220,
76.0761

■ 23.1379, 18.7454,
72.9203

■ 49.2064, 49.6969,
77.5206

■ 19.5049, 14.1666,
72.2280

■ 58.9515, 60.9352,
79.1762

■ 16.8617, 10.6918,
71.6966

■ 70.1077, 73.6939,
81.0508

■ 15.1048, 8.2230,
71.3127

■ 82.7283, 88.0272,
83.1523

■ 14.1138, 6.7001,
71.0709

■ 90.4547, 98.1619,
84.7012

Harmonies

Analogous

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



27.8148, 31.5482, 76.6027



33.7173, 31.5482, 74.8333



39.2397, 31.5482, 60.3728

Triad

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



33.7173, 31.5482, 74.8333



38.0594, 31.5482, 15.4090



20.2543, 31.5482, 28.3633

Complementary

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



33.7173, 31.5482, 74.8333



57.7755, 63.1428, 31.3344

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.



22.3145, 31.5482, 17.1428



33.7173, 31.5482, 74.8333



32.2665, 31.5482, 11.4580

Square

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



33.7173, 31.5482, 74.8333



41.9628, 31.5482, 25.0683



26.5400, 31.5482, 11.9679



20.5364, 31.5482, 45.6808

Rectangle

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



33.7173, 31.5482, 74.8333



41.7265, 31.5482, 47.5049



26.5400, 31.5482, 11.9679



20.6838, 31.5482, 23.8809

Sweetspot

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



33.7184, 31.5494, 74.8341



77.0569, 79.4158, 105.8752



47.8175, 62.8939, 69.8338



16.1101, 16.5574, 22.5968



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.



33.7184, 31.5494, 74.8341



38.2732, 33.9890, 99.1511



37.0159, 29.9800, 74.3573



13.1337, 13.6064, 17.3218



8.2709, 4.0114, 41.3867



0.6295, 0.3905, 2.8874

Inverse Universe

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



44.4743, 34.7617, 32.3837



54.7864, 39.4614, 33.8566



53.0529, 66.4308, 32.2179



13.7989, 13.7372, 14.7114



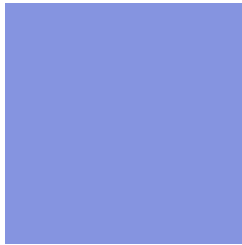
18.1150, 9.3130, 2.0053



1.2840, 0.6569, 0.2884

Previews

White Background



This preview shows how the XYZ color 33.7173, 31.5482, 74.8333 looks on a white background.

Color Contrast Check

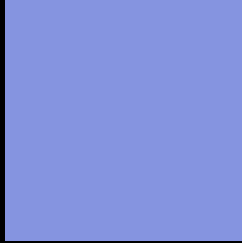
Large Text (above 18pt) WCAG AA × Fail

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 33.7173, 31.5482, 74.8333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

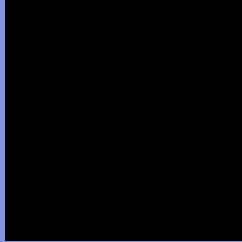
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.7173, 31.5482, 74.8333

Background



This preview shows how black text looks on a background with the XYZ color 33.7173, 31.5482, 74.8333.



This preview shows how white text looks on a background with the XYZ color 33.7173, 31.5482,

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

33.7173, 31.5482, 74.8333

Protanopia

33.1011, 31.6846, 75.6053

Deuteranopia

32.4119, 31.5985, 74.2029



Tritanopia

27.4946, 31.7296, 43.2034

Trichromacy



Original Color

33.7173, 31.5482, 74.8333

Protanomaly

33.3913, 31.5983, 75.5733

Deuteranomaly

32.8298, 31.5760, 74.1765

Tritanomaly

29.4731, 31.5204, 53.2458

Monochromacy



Original Color

33.7173, 31.5482, 74.8333

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.7795, 31.3673, 46.5517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7173, 31.5482, 74.8333 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(133, 148, 224)` looks like.

```
.text, #text, p{  
    color:rgb(133, 148, 224)  
}
```

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(133, 148, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 148, 224) }
```

Border

The CSS property to change the border of an element to XYZ 33.7173, 31.5482, 74.8333 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(133, 148, 224) }
```


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

```
.border{ border-color:rgb(133, 148, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 148, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 148, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 148, 224);  
box-shadow:4px 4px 4px 4px rgb(133, 148,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7173, 31.5482, 74.8333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 148, 224) }
```

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

```
.background{ background-color: rgb(133,  
148, 224) }
```

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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