

Converting Colors

XYZ(33.8556, 34.1589, 81.9594)

Have a look what the booklet for
XYZ(33.8556, 34.1589, 81.9594)
contains.

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Color

**XYZ(33.7882, 34.1242,
81.8966)**

Conversions

Conversions Part 1

Format	Color
Hex	709FE9
RGB	112, 159, 233
RGB Percent	44%, 62%, 91%
CMY	0.5608, 0.3765, 0.0863
CMYK	0.52, 0.32, 0.00, 0.09
HSL	217°, 73%, 68%
HSV	217°, 52%, 91%
XYZ	33.7882, 34.1242, 81.8966
YIQ	153.3830, -51.7660, 13.0500

Conversions

Conversions Part 2

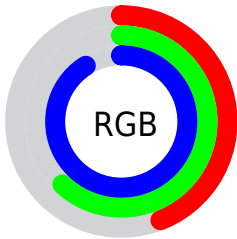
Format	Color
R_{YB}	112, 146, 233
Decimal	7380969
CIE _{Lab}	65.06, 4.80, -42.13
CIE _{LCh}	65, 42.398, 276.496
Yxy	34.1242, 0.2255, 0.2278
Android (android.graphics.Color)	4285571049 (0xFF709FE9)
YUV	153.3830, 39.2512, -36.2929
Hunter-Lab	58.4159, 1.0179, -42.2309

Details

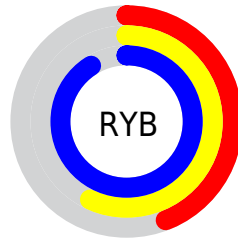
The XYZ color **33.7882, 34.1242, 81.8966** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **54.0893, 53.6134, 22.8285**, and the grayscale version is **30.2966, 31.8744, 34.7112**.

A 20% lighter version of the original color is **58.4218, 63.3545, 103.7572**, and **14.6636, 14.6033, 43.6408** is the 20% darker color. If you saturate the color by 10%, you get **28.8873, 28.1677, 81.0059**, and if you desaturate by 10%, it is **39.7410, 41.0435, 82.9191**.

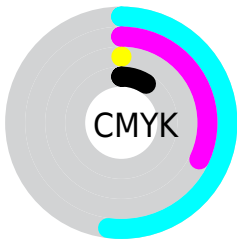
Distribution



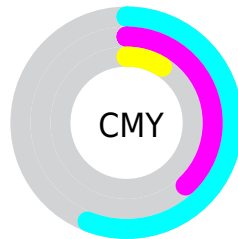
- Red (44%)
- Green (62%)
- Blue (91%)



- Red (44%)
- Yellow (57%)
- Blue (91%)



- Cyan (52%)
- Magenta (32%)
- Yellow (0%)
- Black (9%)



- Cyan (56%)
- Magenta (38%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7882, 34.1242, 81.8966 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 33.7882, 34.1242, 81.8966 by changing the saturation by 10% instead.

■ 33.7882, 34.1242,
81.8966

■ 33.7882, 34.1242,
81.8966

310.7892,
320.6855, 521.1761

■ 22.8931, 22.9890,
60.7450

■ 64.9506, 66.1268,
137.8644

■ 14.6348, 14.5854,
43.5902

■ 85.9487, 87.7629,
173.5176

■ 8.6481, 8.5289,
30.0136

■ 111.0450,
113.6683, 214.8418

■ 4.5677, 4.4352,
19.5968

140.6050,
144.2271, 262.2555

■ 2.0280, 1.9199,
11.9211

174.9941,
179.8238, 316.1773

■ 0.6496, 0.5603,
6.5681

214.5776,

■ 0.0000, 0.0000,

220.8429, 377.0256

3.1192

259.7208,
267.6686, 445.2190

■ 0.0000, 0.0000,
1.1558

■ 0.0000, 0.0000,
0.0000

■ 33.7882, 34.1242,
81.8966

■ 33.7882, 34.1242,
81.8966

■ 28.8873, 28.1677,
81.0059

■ 39.7410, 41.0435,
82.9191

■ 24.9646, 23.1202,
80.2383

■ 46.8052, 48.9680,
84.0763

■ 21.9418, 18.9268,
79.5882

■ 55.0397, 57.9417,
85.3744

■ 19.7245, 15.5230,
79.0481

■ 64.4982, 68.0045,
86.8182

■ 18.4067, 13.2805,
78.6847

■ 75.2308, 79.1941,
88.4124

■ 87.2847, 91.5463,
90.1613

■ 91.7081, 98.6632,
91.3018

Harmonies

Analogous

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



27.9494, 34.1242, 77.5904



33.7882, 34.1242, 81.8966



39.9754, 34.1242, 71.5068

Triad

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



33.7882, 34.1242, 81.8966



42.8816, 34.1242, 20.4543



22.7668, 34.1242, 25.2356

Complementary

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



33.7882, 34.1242, 81.8966



54.0893, 53.6134, 22.8285

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.



25.9063, 34.1242, 16.0625



33.7882, 34.1242, 81.8966



37.3744, 34.1242, 13.9731

Square

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



33.7882, 34.1242, 81.8966



45.6364, 34.1242, 33.4598



31.1165, 34.1242, 12.6674



22.0604, 34.1242, 41.1137

Rectangle

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



33.7882, 34.1242, 81.8966



43.3090, 34.1242, 59.1208



31.1165, 34.1242, 12.6674



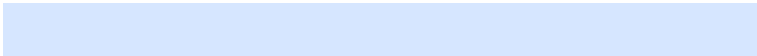
23.5514, 34.1242, 21.4412

Sweetspot

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



33.7894, 34.1254, 81.8974



74.1500, 78.1663, 105.7872



44.5370, 65.2095, 55.9187



15.3585, 16.1852, 22.5645



0.0000, 0.0000, 0.0000



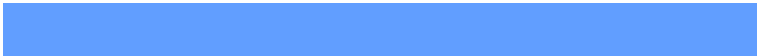
20.3446, 21.4041, 23.3091

Same Dimension

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



33.7894, 34.1254, 81.8974



35.2487, 34.3151, 99.3734



28.8303, 21.7658, 79.7732



14.7110, 15.5084, 19.1403



10.5560, 7.7591, 44.6843



0.9198, 0.7911, 3.5391

Inverse Universe

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



45.6576, 31.4167, 36.4595



51.7036, 32.2702, 35.9910



61.8529, 74.8050, 26.5097



15.3077, 15.1509, 16.9055



20.1835, 10.2761, 6.7676



1.6308, 0.8253, 0.7731

Previews

White Background



This preview shows how the XYZ color 33.7882, 34.1242, 81.8966 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 33.7882, 34.1242, 81.8966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

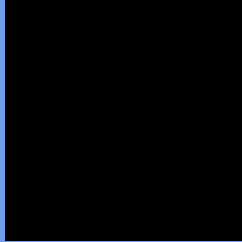
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

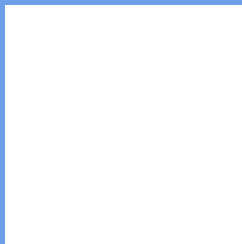
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.7882, 34.1242, 81.8966

Background



This preview shows how black text looks on a background with the XYZ color 33.7882, 34.1242, 81.8966.



This preview shows how white text looks on a background with the XYZ color 33.7882, 34.1242,

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

33.7882, 34.1242, 81.8966

Protanopia

35.5371, 34.0864, 78.8351

Deuteranopia

34.9081, 33.9284, 82.5509



Tritanopia

27.4545, 34.2277, 49.9594

Trichromacy



Original Color

33.7882, 34.1242, 81.8966

Protanomaly

34.6288, 33.8501, 79.5715

Deuteranomaly

34.5160, 33.9764, 82.5808

Tritanomaly

29.3646, 33.8940, 60.2529

Monochromacy



Original Color

33.7882, 34.1242, 81.8966

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.6461, 32.2234, 48.8605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7882, 34.1242, 81.8966 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(112, 159, 233)` looks like.

```
.text, #text, p{  
    color:rgb(112, 159, 233)  
}
```

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(112, 159, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 159, 233) }
```

Border

The CSS property to change the border of an element to XYZ 33.7882, 34.1242, 81.8966 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(112, 159, 233) }
```


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

```
.border{ border-color:rgb(112, 159, 233) }
```

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

Here you see how a box with a 4 pixel rgb(112, 159, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 159, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 159, 233);  
box-shadow:4px 4px 4px 4px rgb(112, 159,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7882, 34.1242, 81.8966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 159, 233) }
```

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

```
.background{ background-color: rgb(112,  
159, 233) }
```

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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