

Converting Colors

XYZ(34.5918, 33.3216, 81.1110)

Have a look what the booklet for
XYZ(34.5918, 33.3216, 81.1110)
contains.

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Color

**XYZ(34.5785, 33.2974,
80.9485)**

Conversions

Conversions Part 1

Format	Color
Hex	7D9AE8
RGB	125, 154, 232
RGB Percent	49%, 60%, 91%
CMY	0.5098, 0.3961, 0.0902
CMYK	0.46, 0.34, 0.00, 0.09
HSL	224°, 70%, 70%
HSV	224°, 46%, 91%
XYZ	34.5785, 33.2974, 80.9485
YIQ	154.2210, -42.3220, 18.1100

Conversions

Conversions Part 2

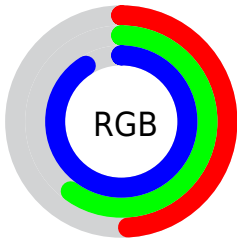
Format	Color
RYB	125, 148, 232
Decimal	8231656
CIELab	64.40, 10.38, -42.56
CIELCh	64, 43.807, 283.709
Yxy	33.2974, 0.2323, 0.2237
Android (android.graphics.Color)	4286421736 (0xFF7D9AE8)
YUV	154.2210, 38.3450, -25.6268
Hunter-Lab	57.7039, 5.9826, -42.7808

Details

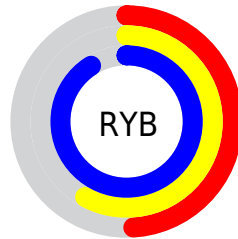
The XYZ color **34.5785, 33.2974, 80.9485** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **58.3375, 61.3498, 28.1705**, and the grayscale version is **30.6634, 32.2603, 35.1315**.

A 20% lighter version of the original color is **59.8973, 62.2768, 103.4714**, and **15.0706, 14.0640, 42.9946** is the 20% darker color. If you saturate the color by 10%, you get **28.9814, 26.5566, 79.9430**, and if you desaturate by 10%, it is **41.3622, 41.2349, 82.1237**.

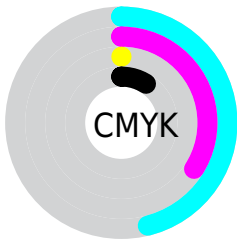
Distribution



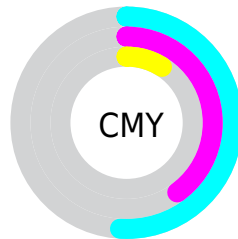
- Red (49%)
- Green (60%)
- Blue (91%)



- Red (49%)
- Yellow (58%)
- Blue (91%)



- Cyan (46%)
- Magenta (34%)
- Yellow (0%)
- Black (9%)



- Cyan (51%)
- Magenta (40%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5785, 33.2974, 80.9485 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 34.5785, 33.2974, 80.9485 by changing the saturation by 10% instead.

■ 34.5785, 33.2974,
80.9485

■ 34.5785, 33.2974,
80.9485

314.2446,
316.9877, 517.9144

■ 23.5034, 22.3544,
59.9684

■ 66.1706, 64.8396,
136.5219

■ 15.0884, 14.1175,
42.9681

■ 87.4183, 86.2075,
171.9523

■ 8.9681, 8.2024,
29.5288

■ 112.7875,
111.8192, 213.0365

■ 4.7774, 4.2248,
19.2322

142.6437,
142.0590, 260.1931

■ 2.1506, 1.8001,
11.6597

177.3521,
177.3114, 313.8407

■ 0.7165, 0.4872,
6.3927

217.2782,

■ 0.0000, 0.0000,

217.9607, 374.3978

3.0127

262.7873,
264.3913, 442.2828

■ 0.0000, 0.0000,
1.1011

■ 0.0000, 0.0000,
0.0000

■ 34.5785, 33.2974,
80.9485

■ 34.5785, 33.2974,
80.9485

■ 28.9814, 26.5566,
79.9430

■ 41.3622, 41.2349,
82.1237

■ 24.4951, 20.9473,
79.0968

■ 49.3948, 50.4224,
83.4737

■ 21.0401, 16.4033,
78.4018

■ 58.7384, 60.9140,
85.0063

■ 18.5237, 12.8487,
77.8483

■ 69.4496, 72.7595,
86.7282

■ 16.8336, 10.1950,
77.4252

■ 81.5820, 86.0062,
88.6456

■ 16.3363, 9.3677,
77.2917

■ 91.5656, 98.6062,
90.5515

Harmonies

Analogous

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



28.3995, 33.2974, 80.2657



34.5785, 33.2974, 80.9485



40.6867, 33.2974, 67.2087

Triad

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



34.5785, 33.2974, 80.9485



41.1404, 33.2974, 17.3134



21.4697, 33.2974, 27.4429

Complementary

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



34.5785, 33.2974, 80.9485



58.3375, 61.3498, 28.1705

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.



24.0584, 33.2974, 16.6529



34.5785, 33.2974, 80.9485



35.1356, 33.2974, 12.2591

Square

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



34.5785, 33.2974, 80.9485



44.7983, 33.2974, 28.7043



28.8883, 33.2974, 12.0656



21.3618, 33.2974, 45.0263

Rectangle

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



34.5785, 33.2974, 80.9485



43.6737, 33.2974, 53.7097



28.8883, 33.2974, 12.0656



22.0615, 33.2974, 23.0626

Sweetspot

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



34.5797, 33.2986, 80.9493



75.3663, 78.3517, 105.7589



47.9384, 66.3234, 65.9570



15.5476, 16.1209, 22.5422



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.



34.5797, 33.2986, 80.9493



36.4395, 33.5521, 99.1634



34.1464, 26.8079, 79.7193



13.8991, 14.5195, 18.2143



9.1586, 5.3794, 42.9388



0.7522, 0.5483, 3.1982

Inverse Universe

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



46.4461, 34.1575, 34.7181



53.0723, 35.7565, 34.1379



58.8019, 72.7233, 30.3413



14.5366, 14.4318, 15.7603



19.0164, 9.7408, 3.7152



1.4433, 0.7350, 0.4750

Previews

White Background



This preview shows how the XYZ color 34.5785, 33.2974, 80.9485 looks on a white background.

Color Contrast Check

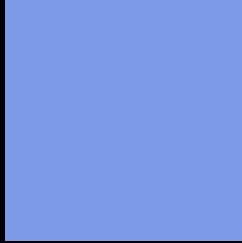
Large Text (above 18pt) WCAG AA × Fail

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 34.5785, 33.2974, 80.9485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

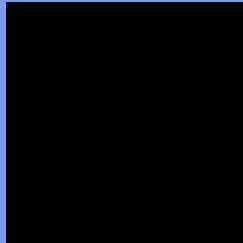
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.5785, 33.2974, 80.9485

Background



This preview shows how black text looks on a background with the XYZ color 34.5785, 33.2974, 80.9485.

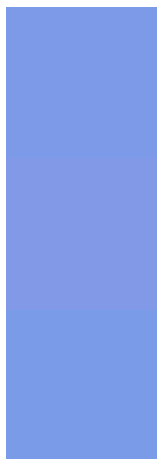


This preview shows how white text looks on a background with the XYZ color 34.5785, 33.2974,

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

34.5785, 33.2974, 80.9485

Protanopia

34.8683, 33.2191, 80.1755

Deuteranopia

34.3129, 33.4065, 80.9835



Tritanopia

27.7977, 33.3758, 47.0966

Trichromacy



Original Color

34.5785, 33.2974, 80.9485

Protanomaly

34.7171, 33.1412, 80.1684

Deuteranomaly

34.4552, 33.4798, 80.9902

Tritanomaly

30.0081, 33.2118, 58.2550

Monochromacy



Original Color

34.5785, 33.2974, 80.9485

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.3268, 32.3282, 48.8448

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5785, 33.2974, 80.9485 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(125, 154, 232)` looks like.

```
.text, #text, p{  
    color:rgb(125, 154, 232)  
}
```

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(125, 154, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 154, 232) }
```

Border

The CSS property to change the border of an element to XYZ 34.5785, 33.2974, 80.9485 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(125, 154, 232) }
```


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

```
.border{ border-color:rgb(125, 154, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 154, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 154, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 154, 232);  
box-shadow:4px 4px 4px 4px rgb(125, 154,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5785, 33.2974, 80.9485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 154, 232) }
```

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

```
.background{ background-color: rgb(125,  
154, 232) }
```

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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