

Converting Colors

XYZ(33.5981, 32.4794, 76.6847)

Have a look what the booklet for
XYZ(33.5981, 32.4794, 76.6847)
contains.

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Color

**XYZ(33.5599, 32.3831,
76.4333)**

Conversions

Conversions Part 1

Format	Color
Hex	7E98E2
RGB	126, 152, 226
RGB Percent	49%, 60%, 89%
CMY	0.5059, 0.4039, 0.1137
CMYK	0.44, 0.33, 0.00, 0.11
HSL	224°, 63%, 69%
HSV	224°, 44%, 89%
XYZ	33.5599, 32.3831, 76.4333
YIQ	152.6620, -39.2500, 17.5020

Conversions

Conversions Part 2

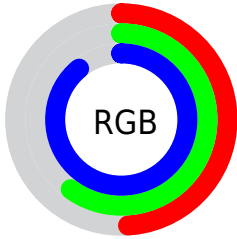
Format	Color
RYB	126, 147, 226
Decimal	8296674
CIELab	63.66, 10.04, -40.41
CIELCh	64, 41.635, 283.959
Yxy	32.3831, 0.2357, 0.2274
Android (android.graphics.Color)	4286486754 (0xFF7E98E2)
YUV	152.6620, 36.1556, -23.3826
Hunter-Lab	56.9062, 5.6830, -39.8009

Details

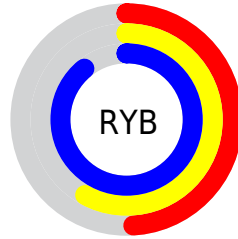
The XYZ color **33.5599, 32.3831, 76.4333** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **55.7854, 58.9852, 28.1852**, and the grayscale version is **29.9928, 31.5547, 34.3631**.

A 20% lighter version of the original color is **59.4127, 61.3077, 103.3099**, and **14.4352, 13.5117, 39.8774** is the 20% darker color. If you saturate the color by 10%, you get **28.0704, 25.8043, 75.4534**, and if you desaturate by 10%, it is **40.1872, 40.1178, 77.5776**.

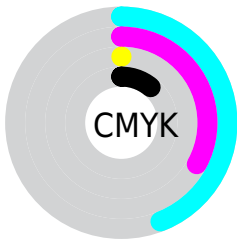
Distribution



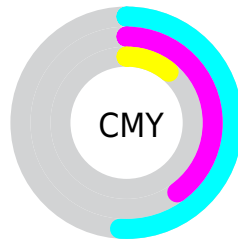
- Red (49%)
- Green (60%)
- Blue (89%)



- Red (49%)
- Yellow (58%)
- Blue (89%)



- Cyan (44%)
- Magenta (33%)
- Yellow (0%)
- Black (11%)



- Cyan (51%)
- Magenta (40%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5599, 32.3831, 76.4333 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 33.5599, 32.3831, 76.4333 by changing the saturation by 10% instead.

■ 33.5599, 32.3831,
76.4333

■ 33.5599, 32.3831,
76.4333

309.7857,
312.8607, 502.2159

■ 22.7170, 21.6543,
56.2791

■ 64.5975, 63.4112,
130.1049

■ 14.5042, 13.6031,
40.0212

■ 85.5230, 84.4792,
164.4594

■ 8.5562, 7.8451,
27.2412

■ 110.5400,
109.7625, 204.3844

■ 4.5077, 3.9960,
17.5204

140.0139,
139.6454, 250.2984

■ 1.9931, 1.6713,
10.4404

174.3101,
174.5122, 302.6201

■ 0.6301, 0.4050,
5.5825

213.7939,

■ 0.0000, 0.0000,

214.7475, 361.7678

2.5283

258.8306,
260.7355, 428.1603

■ 0.0000, 0.0000,
0.8551

■ 0.0000, 0.0000,
0.0000

■ 33.5599, 32.3831,
76.4333

■ 33.5599, 32.3831,
76.4333

■ 28.0704, 25.8043,
75.4534

■ 40.1872, 40.1178,
77.5776

■ 23.6480, 20.3195,
74.6278

■ 48.0103, 49.0589,
78.8911

■ 20.2191, 15.8660,
73.9489

■ 57.0873, 59.2580,
80.3813

■ 17.6982, 12.3726,
73.4075

■ 67.4716, 70.7624,
82.0545

■ 15.9839, 9.7571,
72.9930

■ 79.2131, 83.6172,
83.9169

■ 15.2791, 8.5941,
72.8057

■ 89.8875, 96.5908,
85.8585

■ 90.7276, 98.2710,
86.1385

Harmonies

Analogous

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



27.7876, 32.3831, 75.9292



33.5599, 32.3831, 76.4333



39.2240, 32.3831, 63.7465

Triad

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



33.5599, 32.3831, 76.4333



39.5632, 32.3831, 17.3560



21.2236, 32.3831, 27.1202

Complementary

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



33.5599, 32.3831, 76.4333



55.7854, 58.9852, 28.1852

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.



23.6428, 32.3831, 16.8473



33.5599, 32.3831, 76.4333



33.9780, 32.3831, 12.5481

Square

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



33.5599, 32.3831, 76.4333



42.9743, 32.3831, 28.0762



28.1564, 32.3831, 12.3972



21.1415, 32.3831, 43.5745

Rectangle

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



33.5599, 32.3831, 76.4333



41.9752, 32.3831, 51.2945



28.1564, 32.3831, 12.3972



21.7752, 32.3831, 22.9722

Sweetspot

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



33.5611, 32.3843, 76.4341



76.5557, 79.5808, 105.9334



46.1492, 62.9683, 63.9589



15.7777, 16.3550, 22.5752



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.



33.5611, 32.3843, 76.4341



37.4942, 34.6409, 99.3180



33.6450, 26.8352, 75.3586



13.2403, 13.8198, 17.3573



8.7986, 5.0668, 41.5626



0.6817, 0.4948, 2.9048

Inverse Universe

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



44.4934, 33.3588, 33.8007



53.8538, 37.0230, 35.3127



55.5012, 68.5497, 30.0463



13.8528, 13.7587, 14.9949



18.3813, 9.4195, 3.4079



1.3103, 0.6674, 0.4270

Previews

White Background



This preview shows how the XYZ color 33.5599, 32.3831, 76.4333 looks on a white background.

Color Contrast Check

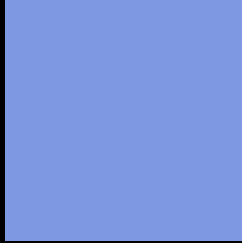
Large Text (above 18pt) WCAG AA × Fail

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 33.5599, 32.3831, 76.4333 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 33.5599, 32.3831, 76.4333

Background



This preview shows how black text looks on a background with the XYZ color 33.5599, 32.3831, 76.4333.



This preview shows how white text looks on a background with the XYZ color 33.5599, 32.3831,

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

33.5599, 32.3831, 76.4333

Protanopia

33.7105, 32.2366, 75.6797

Deuteranopia

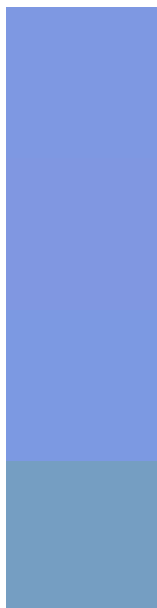
33.2871, 32.4844, 76.4672



Tritanopia

27.3403, 32.3806, 45.3665

Trichromacy



Original Color

33.5599, 32.3831, 76.4333

Protanomaly

33.5593, 32.1587, 75.6726

Deuteranomaly

33.4309, 32.5585, 76.4739

Tritanomaly

29.3006, 32.1307, 55.6965

Monochromacy



Original Color

33.5599, 32.3831, 76.4333

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.9571, 31.9174, 47.7091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5599, 32.3831, 76.4333 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(126, 152, 226)` looks like.

```
.text, #text, p{  
    color:rgb(126, 152, 226)  
}
```

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(126, 152, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 152, 226) }
```

Border

The CSS property to change the border of an element to XYZ 33.5599, 32.3831, 76.4333 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(126, 152, 226) }
```


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

```
.border{ border-color:rgb(126, 152, 226) }
```

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

Here you see how a box with a 4 pixel rgb(126, 152, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 152, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 152, 226);  
box-shadow:4px 4px 4px 4px rgb(126, 152,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5599, 32.3831, 76.4333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 152, 226) }
```

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

```
.background{ background-color: rgb(126,  
152, 226) }
```

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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