

Converting Colors

XYZ(32.4905, 33.3177, 67.0113)

Have a look what the booklet for
XYZ(32.4905, 33.3177, 67.0113)
contains.

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Color

**XYZ(32.3981, 33.2274,
66.9933)**

Conversions

Conversions Part 1

Format	Color
Hex	7D9DD4
RGB	125, 157, 212
RGB Percent	49%, 62%, 83%
CMY	0.5098, 0.3843, 0.1686
CMYK	0.41, 0.26, 0.00, 0.17
HSL	218°, 50%, 66%
HSV	218°, 41%, 83%
XYZ	32.3981, 33.2274, 66.9933
YIQ	153.7020, -36.7270, 10.3210

Conversions

Conversions Part 2

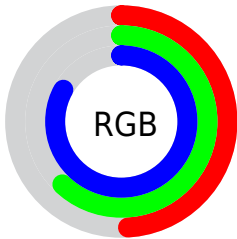
Format	Color
RYB	125, 148, 212
Decimal	8232404
CIELab	64.34, 2.96, -31.58
CIElCh	64, 31.719, 275.353
Yxy	33.2274, 0.2443, 0.2505
Android (android.graphics.Color)	4286422484 (0xFF7D9DD4)
YUV	153.7020, 28.7409, -25.1717
Hunter-Lab	57.6432, -0.5505, -28.5570

Details

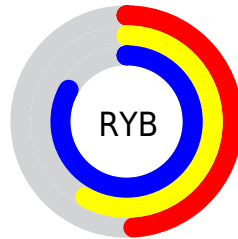
The XYZ color **32.3981, 33.2274, 66.9933** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **47.1752, 48.1213, 26.2053**, and the grayscale version is **30.4753, 32.0624, 34.9159**.

A 20% lighter version of the original color is **60.1667, 63.5118, 103.6956**, and **13.8384, 14.0820, 33.8870** is the 20% darker color. If you saturate the color by 10%, you get **27.4828, 27.5105, 66.1495**, and if you desaturate by 10%, it is **38.2249, 39.7848, 67.9525**.

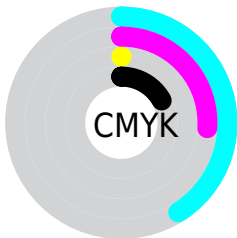
Distribution



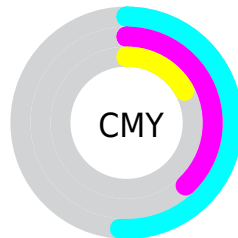
- Red (49%)
- Green (62%)
- Blue (83%)



- Red (49%)
- Yellow (58%)
- Blue (83%)



- Cyan (41%)
- Magenta (26%)
- Yellow (0%)
- Black (17%)



- Cyan (51%)
- Magenta (38%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3981, 33.2274, 66.9933 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 32.3981, 33.2274, 66.9933 by changing the saturation by 10% instead.

■ 32.3981, 33.2274,
66.9933

■ 32.3981, 33.2274,
66.9933

304.6419,
316.6732, 468.4218

■ 21.8228, 22.3007,
48.6176

■ 62.7957, 64.7304,
116.5514

■ 13.8426, 14.0780,
33.9528

■ 83.3486, 86.0755,
148.5708

■ 8.0922, 8.1750,
22.5803

■ 107.9581,
111.6622, 185.9753

■ 4.2063, 4.2071,
14.0815

136.9896,
141.8748, 229.1833

■ 1.8195, 1.7901,
8.0380

170.8083,
177.0979, 278.6135

■ 0.5294, 0.4810,
4.0311

209.7797,

■ 0.0000, 0.0000,

217.7157, 334.6842

1.6424

254.2691,
264.1126, 397.8141

■ 0.0000, 0.0000,
0.3208

■ 0.0000, 0.0000,
0.0000

■ 32.3981, 33.2274,
66.9933

■ 32.3981, 33.2274,
66.9933

■ 27.4828, 27.5105,
66.1495

■ 38.2249, 39.7848,
67.9525

■ 23.4252, 22.5925,
65.4141

■ 45.0062, 47.2141,
69.0291

■ 20.1707, 18.4335,
64.7828

■ 52.7859, 55.5497,
70.2280

■ 17.6562, 14.9876,
64.2503

■ 61.6045, 64.8225,
71.5530

■ 15.8078, 12.2028,
63.8102

■ 71.4998, 75.0623,
73.0080

■ 14.6065, 10.1990,
63.4867

■ 82.5078, 86.2973,
74.5964

■ 87.5645, 94.8951,
75.9894

■ 88.8838, 97.5335,
76.4291

Harmonies

Analogous

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



28.0992, 33.2274, 63.7946



32.3981, 33.2274, 66.9933



36.8735, 33.2274, 60.4703

Triad

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



32.3981, 33.2274, 66.9933



39.2013, 33.2274, 23.6201



24.3328, 33.2274, 26.7728

Complementary

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



32.3981, 33.2274, 66.9933



47.1752, 48.1213, 26.2053

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.



26.8220, 33.2274, 19.4589



32.3981, 33.2274, 66.9933



35.3406, 33.2274, 17.9655

Square

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



32.3981, 33.2274, 66.9933



41.0335, 33.2274, 33.9098



30.7790, 33.2274, 16.6472



23.7056, 33.2274, 38.5473

Rectangle

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



32.3981, 33.2274, 66.9933



39.2721, 33.2274, 52.2276



30.7790, 33.2274, 16.6472



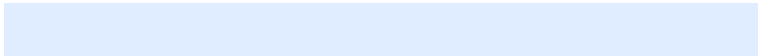
24.9671, 33.2274, 23.8092

Sweetspot

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



32.3992, 33.2287, 66.9941



78.8109, 82.9238, 106.4599



40.1033, 54.6883, 50.9058



16.5206, 17.3785, 22.7336



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.



32.3992, 33.2287, 66.9941



42.7906, 43.0238, 100.6569



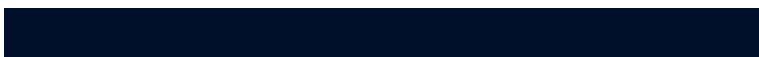
29.2343, 24.5854, 65.4926



12.1129, 12.7493, 15.7600



9.1051, 6.4720, 39.2225



0.6270, 0.5459, 2.3916

Inverse Universe

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



40.5718, 31.0998, 35.7640



57.0666, 40.3735, 45.8638



51.5625, 61.1040, 28.4800



12.6102, 12.4956, 13.8876



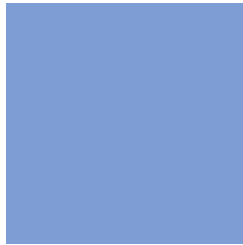
17.6547, 8.9982, 5.4857



1.1041, 0.5584, 0.5376

Previews

White Background



This preview shows how the XYZ color 32.3981, 33.2274, 66.9933 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 32.3981, 33.2274, 66.9933 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 32.3981, 33.2274, 66.9933

Background



This preview shows how black text looks on a background with the XYZ color 32.3981, 33.2274, 66.9933.



This preview shows how white text looks on a background with the XYZ color 32.3981, 33.2274,

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

32.3981, 33.2274, 66.9933

Protanopia

33.8794, 33.2901, 64.9616

Deuteranopia

34.0471, 33.3186, 67.5874



Tritanopia

28.4137, 33.4382, 46.5516

Trichromacy



Original Color

32.3981, 33.2274, 66.9933

Protanomaly

33.3459, 33.2467, 65.6325

Deuteranomaly

33.4045, 33.2333, 67.6049

Tritanomaly

29.6469, 33.1294, 53.5473

Monochromacy



Original Color

32.3981, 33.2274, 66.9933

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.7869, 32.3775, 45.1843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3981, 33.2274, 66.9933 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, 157, 212)` looks like.

```
.text, #text, p{  
    color:rgb(125, 157, 212)  
}
```

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, 157, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 157, 212) }
```

Border

The CSS property to change the border of an element to XYZ 32.3981, 33.2274, 66.9933 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, 157, 212) }
```


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

```
.border{ border-color:rgb(125, 157, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 157, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 157, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 157, 212);  
box-shadow:4px 4px 4px 4px rgb(125, 157,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3981, 33.2274, 66.9933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 157, 212) }
```

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

```
.background{ background-color: rgb(125,  
157, 212) }
```

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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