

Converting Colors

XYZ(33.0070, 31.9804, 76.3584)

Have a look what the booklet for
XYZ(33.0070, 31.9804, 76.3584)
contains.

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Color

**XYZ(33.1241, 32.1584,
76.4129)**

Conversions

Conversions Part 1

Format	Color
Hex	7B98E2
RGB	123, 152, 226
RGB Percent	48%, 60%, 89%
CMY	0.5176, 0.4039, 0.1137
CMYK	0.46, 0.33, 0.00, 0.11
HSL	223°, 64%, 68%
HSV	223°, 46%, 89%
XYZ	33.1241, 32.1584, 76.4129
YIQ	151.7650, -41.0380, 16.8660

Conversions

Conversions Part 2

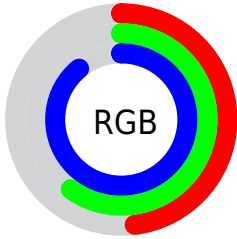
Format	Color
RYB	123, 146, 226
Decimal	8100066
CIELab	63.47, 9.30, -40.71
CIELCh	63, 41.758, 282.873
Yxy	32.1584, 0.2338, 0.2270
Android (android.graphics.Color)	4286290146 (0xFF7B98E2)
YUV	151.7650, 36.5979, -25.2269
Hunter-Lab	56.7084, 5.0245, -40.1957

Details

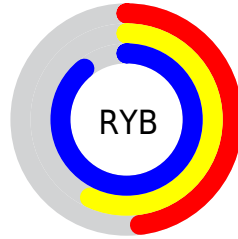
The XYZ color **33.1241, 32.1584, 76.4129** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **54.9068, 57.5331, 26.9516**, and the grayscale version is **29.6048, 31.1466, 33.9187**.

A 20% lighter version of the original color is **58.7117, 60.9463, 103.2771**, and **14.2241, 13.4029, 39.8675** is the 20% darker color. If you saturate the color by 10%, you get **27.7991, 25.7657, 75.4603**, and if you desaturate by 10%, it is **39.5584, 39.6597, 77.5223**.

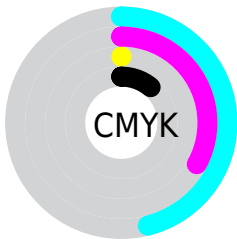
Distribution



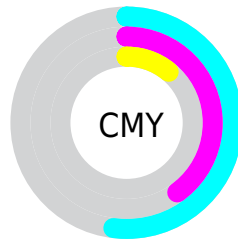
- Red (48%)
- Green (60%)
- Blue (89%)



- Red (48%)
- Yellow (57%)
- Blue (89%)



- Cyan (46%)
- Magenta (33%)
- Yellow (0%)
- Black (11%)



- Cyan (52%)
- Magenta (40%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1241, 32.1584, 76.4129 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 33.1241, 32.1584, 76.4129 by changing the saturation by 10% instead.

■ 33.1241, 32.1584,
76.4129

■ 33.1241, 32.1584,
76.4129

307.8637,
311.8402, 502.1444

■ 22.3812, 21.4825,
56.2625

■ 63.9226, 63.0593,
130.0758

■ 14.2555, 13.4772,
40.0080

■ 84.7090, 84.0532,
164.4254

■ 8.3814, 7.7579,
27.2309

■ 109.5738,
109.2551, 204.3451

■ 4.3938, 3.9404,
17.5128

138.8826,
139.0495, 250.2535

■ 1.9273, 1.6403,
10.4349

173.0006,
173.8209, 302.5690

■ 0.5926, 0.3845,
5.5789

212.2932,

■ 0.0000, 0.0000,

213.9535, 361.7103

2.5262

257.1258,
259.8318, 428.0959

■ 0.0000, 0.0000,
0.8540

■ 0.0000, 0.0000,
0.0000

■ 33.1241, 32.1584,
76.4129

■ 33.1241, 32.1584,
76.4129

■ 27.7991, 25.7657,
75.4603

■ 39.5584, 39.6597,
77.5223

■ 23.5133, 20.4221,
74.6547

■ 47.1594, 48.3178,
78.7929

■ 20.1936, 16.0674,
73.9892

■ 55.9845, 58.1823,
80.2318

■ 17.7547, 12.6329,
73.4548

■ 66.0862, 69.2985,
81.8450

■ 16.0944, 10.0387,
73.0415

■ 77.5137, 81.7095,
83.6382

■ 15.5401, 9.1160,
72.8927

■ 88.9751, 94.7660,
85.5543

■ 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.



27.3905, 32.1584, 75.3827



33.1241, 32.1584, 76.4129



38.8189, 32.1584, 64.1059

Triad

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



33.1241, 32.1584, 76.4129



39.5111, 32.1584, 17.4385



21.0795, 32.1584, 26.4082

Complementary

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



33.1241, 32.1584, 76.4129



54.9068, 57.5331, 26.9516

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.



23.5738, 32.1584, 16.4038



33.1241, 32.1584, 76.4129



33.9770, 32.1584, 12.4669

Square

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



33.1241, 32.1584, 76.4129



42.8088, 32.1584, 28.3564



28.1423, 32.1584, 12.1605



20.9123, 32.1584, 42.6421

Rectangle

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



33.1241, 32.1584, 76.4129



41.6322, 32.1584, 51.7341



28.1423, 32.1584, 12.1605



21.6576, 32.1584, 22.3526

Sweetspot

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



33.1253, 32.1596, 76.4137



75.4703, 78.5597, 105.7936



45.4229, 62.6274, 62.4087



15.5727, 16.1712, 22.5505



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.



33.1253, 32.1596, 76.4137



36.6820, 34.0371, 99.2442



32.5448, 25.7071, 75.1988



13.2647, 13.8685, 17.3654



8.9524, 5.3744, 41.6139



0.6951, 0.5216, 2.9093

Inverse Universe

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



44.1156, 32.6031, 33.6746



53.1947, 35.8055, 34.7825



55.5877, 68.6163, 29.0550



13.8651, 13.7637, 15.0596



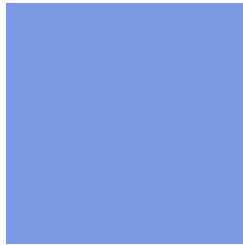
18.4590, 9.4506, 3.8167



1.3171, 0.6701, 0.4627

Previews

White Background



This preview shows how the XYZ color 33.1241, 32.1584, 76.4129 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 33.1241, 32.1584, 76.4129 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 33.1241, 32.1584, 76.4129

Background



This preview shows how black text looks on a background with the XYZ color 33.1241, 32.1584, 76.4129.

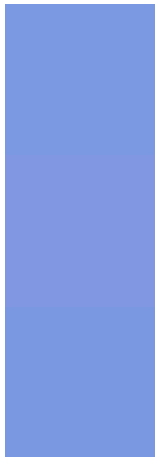


This preview shows how white text looks on a background with the XYZ color 33.1241, 32.1584,

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

33.1241, 32.1584, 76.4129

Protanopia

33.7105, 32.2366, 75.6797

Deuteranopia

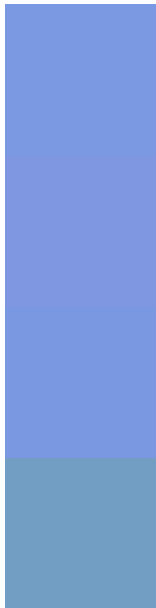
32.9817, 32.0850, 76.4062



Tritanopia

26.8425, 32.1240, 45.3432

Trichromacy



Original Color

33.1241, 32.1584, 76.4129

Protanomaly

33.4096, 32.0815, 75.6656

Deuteranomaly

32.9817, 32.0850, 76.4062

Tritanomaly

28.7745, 31.8595, 55.6719

Monochromacy



Original Color

33.1241, 32.1584, 76.4129

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.3494, 31.3739, 47.1040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1241, 32.1584, 76.4129 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(123, 152, 226)` looks like.

```
.text, #text, p{  
    color:rgb(123, 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(123, 152, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 152, 226) }
```

Border

The CSS property to change the border of an element to XYZ 33.1241, 32.1584, 76.4129 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(123, 152, 226) }
```


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

```
.border{ border-color:rgb(123, 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(123, 152, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 152, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 152, 226);  
box-shadow:4px 4px 4px 4px rgb(123, 152,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1241, 32.1584, 76.4129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 152, 226) }
```

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

```
.background{ background-color: rgb(123,  
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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