

Converting Colors

XYZ(33.2312, 31.1664, 75.6566)

Have a look what the booklet for
XYZ(33.2312, 31.1664, 75.6566)
contains.

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Color

**XYZ(33.2338, 31.2832,
75.5208)**

Conversions

Conversions Part 1

Format	Color
Hex	8194E1
RGB	129, 148, 225
RGB Percent	51%, 58%, 88%
CMY	0.4941, 0.4196, 0.1176
CMYK	0.43, 0.34, 0.00, 0.12
HSL	228°, 62%, 69%
HSV	228°, 43%, 88%
XYZ	33.2338, 31.2832, 75.5208
YIQ	151.0970, -36.0410, 19.9190

Conversions

Conversions Part 2

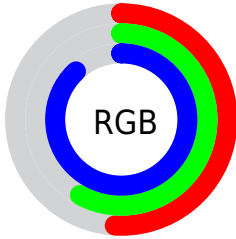
Format	Color
R_{YB}	129, 145, 225
Decimal	8492257
CIE _{Lab}	62.75, 12.83, -41.27
CIE _{LCh}	63, 43.216, 287.267
Yxy	31.2832, 0.2373, 0.2234
Android (android.graphics.Color)	4286682337 (0xFF8194E1)
YUV	151.0970, 36.4342, -19.3791
Hunter-Lab	55.9314, 8.1828, -40.9038

Details

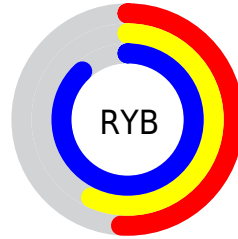
The XYZ color **33.2338, 31.2832, 75.5208** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **57.0863, 61.7367, 29.6780**, and the grayscale version is **29.3180, 30.8448, 33.5900**.

A 20% lighter version of the original color is **59.1781, 59.7753, 103.0265**, and **14.3532, 13.0558, 39.2996** is the 20% darker color. If you saturate the color by 10%, you get **27.5714, 24.4848, 74.5076**, and if you desaturate by 10%, it is **40.0923, 39.3545, 76.7178**.

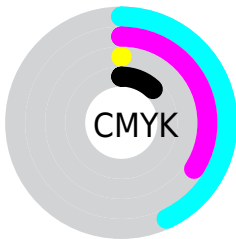
Distribution



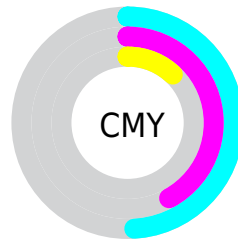
- Red (51%)
- Green (58%)
- Blue (88%)



- Red (51%)
- Yellow (57%)
- Blue (88%)



- Cyan (43%)
- Magenta (34%)
- Yellow (0%)
- Black (12%)



- Cyan (49%)
- Magenta (42%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2338, 31.2832, 75.5208 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 33.2338, 31.2832, 75.5208 by changing the saturation by 10% instead.

■ 33.2338, 31.2832,
75.5208

■ 33.2338, 31.2832,
75.5208

308.3483,
307.8409, 499.0088

■ 22.4657, 20.8146,
55.5354

■ 64.0926, 61.6857,
128.8032

■ 14.3180, 12.9885,
39.4290

■ 84.9140, 82.3883,
162.9372

■ 8.4254, 7.4207,
26.7832

■ 109.8173,
107.2711, 202.6245

■ 4.4224, 3.7265,
17.1795

139.1677,
136.7184, 248.2836

■ 1.9438, 1.5218,
10.1992

173.3307,
171.1147, 300.3330

■ 0.6021, 0.3040,
5.4239

212.6715,

■ 0.0000, 0.0000,

210.8442, 359.1913

2.4350

257.5556,
256.2915, 425.2771

■ 0.0000, 0.0000,
0.8054

■ 0.0000, 0.0000,
0.0000

■ 33.2338, 31.2832,
75.5208

■ 33.2338, 31.2832,
75.5208

■ 27.5714, 24.4848,
74.5076

■ 40.0923, 39.3545,
76.7178

■ 23.0313, 18.8894,
73.6669

■ 48.2079, 48.7567,
78.1049

■ 19.5367, 14.4251,
72.9894

■ 57.6415, 59.5486,
79.6907

■ 16.9992, 11.0109,
72.4641

■ 68.4490, 71.7840,
81.4828

■ 15.3144, 8.5535,
72.0786

■ 80.6830, 85.5141,
83.4882

■ 14.5112, 7.2773,
71.8746

■ 90.5907, 98.2163,
85.4177

Harmonies

Analogous

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



27.3000, 31.2832, 76.6587



33.2338, 31.2832, 75.5208



38.8804, 31.2832, 61.2452

Triad

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



33.2338, 31.2832, 75.5208



38.1258, 31.2832, 15.3212



19.9746, 31.2832, 27.3839

Complementary

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



33.2338, 31.2832, 75.5208



57.0863, 61.7367, 29.6780

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.



22.1474, 31.2832, 16.4142



33.2338, 31.2832, 75.5208



32.3080, 31.2832, 11.1664

Square

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



33.2338, 31.2832, 75.5208



41.9514, 31.2832, 25.2911



26.4885, 31.2832, 11.4860



20.1534, 31.2832, 44.6574

Rectangle

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



33.2338, 31.2832, 75.5208



41.4870, 31.2832, 48.2414



26.4885, 31.2832, 11.4860



20.4407, 31.2832, 22.9751

Sweetspot

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



33.2349, 31.2843, 75.5216



75.9847, 78.4389, 105.7431



47.0958, 62.9649, 67.9374



15.6383, 16.0762, 22.5287



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.



33.2349, 31.2843, 75.5216



37.5165, 33.6089, 99.1176



35.5034, 28.3871, 74.8428



13.1706, 13.6803, 17.3341



8.4273, 4.3242, 41.4388



0.6469, 0.4253, 2.8932

Inverse Universe

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



44.2479, 33.8476, 32.2191



54.1278, 38.1388, 33.6539



53.7057, 67.1988, 30.9105



13.8176, 13.7447, 14.8095



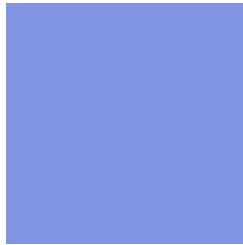
18.1939, 9.3446, 2.4210



1.2928, 0.6604, 0.3347

Previews

White Background



This preview shows how the XYZ color 33.2338, 31.2832, 75.5208 looks on a white background.

Color Contrast Check

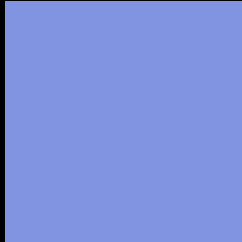
Large Text (above 18pt) WCAG AA × Fail

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 33.2338, 31.2832, 75.5208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

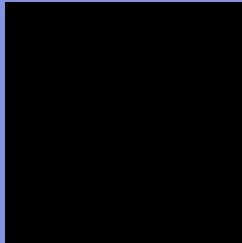
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.2338, 31.2832, 75.5208

Background



This preview shows how black text looks on a background with the XYZ color 33.2338, 31.2832, 75.5208.



This preview shows how white text looks on a background with the XYZ color 33.2338, 31.2832,

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

33.2338, 31.2832, 75.5208

Protanopia

32.9324, 31.3459, 76.2661

Deuteranopia

32.1289, 31.4370, 74.8956



Tritanopia

26.8191, 31.3814, 43.1718

Trichromacy



Original Color

33.2338, 31.2832, 75.5208

Protanomaly

33.0791, 31.4215, 76.2730

Deuteranomaly

32.5293, 31.4055, 74.8684

Tritanomaly

28.8710, 31.1973, 53.7902

Monochromacy



Original Color

33.2338, 31.2832, 75.5208

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.2699, 30.8667, 46.4819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2338, 31.2832, 75.5208 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(129, 148, 225)` looks like.

```
.text, #text, p{  
    color:rgb(129, 148, 225)  
}
```

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(129, 148, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 148, 225) }
```

Border

The CSS property to change the border of an element to XYZ 33.2338, 31.2832, 75.5208 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(129, 148, 225) }
```


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

```
.border{ border-color:rgb(129, 148, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 148, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 148, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 148, 225); box-shadow:4px 4px 4px 4px rgb(129, 148, 225) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2338, 31.2832, 75.5208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 148, 225) }
```

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

```
.background{ background-color: rgb(129,  
148, 225) }
```

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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