

Converting Colors

XYZ(33.0187, 31.4632, 67.2657)

Have a look what the booklet for
XYZ(33.0187, 31.4632, 67.2657)
contains.

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Color

**XYZ(32.9167, 31.3023,
67.2578)**

Conversions

Conversions Part 1

Format	Color
Hex	8994D5
RGB	137, 148, 213
RGB Percent	54%, 58%, 84%
CMY	0.4627, 0.4196, 0.1647
CMYK	0.36, 0.31, 0.00, 0.16
HSL	231°, 47%, 69%
HSV	231°, 36%, 84%
XYZ	32.9167, 31.3023, 67.2578
YIQ	152.1210, -27.4210, 17.8830

Conversions

Conversions Part 2

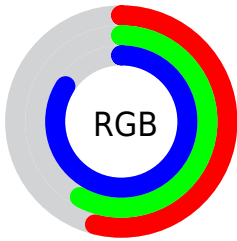
Format	Color
R_{YB}	137, 147, 213
Decimal	9016533
CIE _{Lab}	62.76, 11.63, -34.53
CIE _{LCh}	63, 36.440, 288.619
Yxy	31.3023, 0.2504, 0.2381
Android (android.graphics.Color)	4287206613 (0xFF8994D5)
YUV	152.1210, 30.0133, -13.2611
Hunter-Lab	55.9485, 7.1088, -32.1109

Details

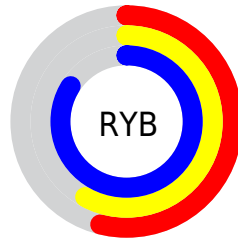
The XYZ color **32.9167, 31.3023, 67.2578** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **53.0773, 58.1943, 32.1034**, and the grayscale version is **29.7812, 31.3321, 34.1207**.

A 20% lighter version of the original color is **60.9088, 60.6675, 103.1075**, and **14.1954, 13.0888, 34.1260** is the 20% darker color. If you saturate the color by 10%, you get **27.1276, 24.4051, 66.2322**, and if you desaturate by 10%, it is **39.8469, 39.4566, 68.4670**.

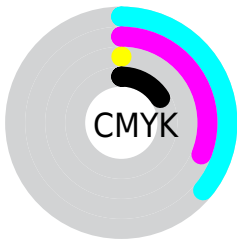
Distribution



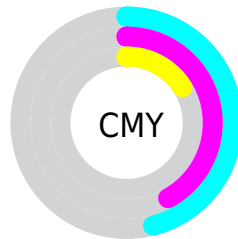
- Red (54%)
- Green (58%)
- Blue (84%)



- Red (54%)
- Yellow (58%)
- Blue (84%)



- Cyan (36%)
- Magenta (31%)
- Yellow (0%)
- Black (16%)



- Cyan (46%)
- Magenta (42%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9167, 31.3023, 67.2578 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 32.9167, 31.3023, 67.2578 by changing the saturation by 10% instead.

■ 32.9167, 31.3023,
67.2578

■ 32.9167, 31.3023,
67.2578

306.9458,
307.9286, 469.3883

■ 22.2216, 20.8291,
48.8313

■ 63.6010, 61.7157,
116.9339

■ 14.1373, 12.9992,
34.1210

■ 84.3209, 82.4247,
149.0205

■ 8.2986, 7.4280,
22.7084

■ 109.1131,
107.3145, 186.4976

■ 4.3400, 3.7312,
14.1751

138.3429,
136.7695, 229.7836

■ 1.8962, 1.5243,
8.1024

172.3757,
171.1740, 279.2971

■ 0.5746, 0.3058,
4.0718

211.5769,

■ 0.0000, 0.0000,

210.9124, 335.4568

1.6648

256.3119,
256.3691, 398.6810

■ 0.0000, 0.0000,
0.3365

■ 0.0000, 0.0000,
0.0000

■ 32.9167, 31.3023,
67.2578

■ 32.9167, 31.3023,
67.2578

■ 27.1276, 24.4051,
66.2322

■ 39.8469, 39.4566,
68.4670

■ 22.4146, 18.6985,
65.3791

■ 47.9721, 48.9229,
69.8660

■ 18.7111, 14.1151,
64.6896

■ 57.3463, 59.7572,
71.4631

■ 15.9416, 10.5793,
64.1531

■ 68.0196, 72.0112,
73.2658

■ 14.0196, 8.0058,
63.7577

■ 80.0392, 85.7338,
75.2811

■ 12.8412, 6.2949,
63.4895

■ 89.0103, 97.5841,
77.0956

■ 12.4959, 5.7752,
63.4074

Harmonies

Analogous

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



27.9011, 31.3023, 68.6780



32.9167, 31.3023, 67.2578



37.5350, 31.3023, 55.6292

Triad

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



32.9167, 31.3023, 67.2578



36.5453, 31.3023, 17.3624



21.3134, 31.3023, 28.9500

Complementary

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



32.9167, 31.3023, 67.2578



53.0773, 58.1943, 32.1034

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.



23.1268, 31.3023, 18.9719



32.9167, 31.3023, 67.2578



31.6828, 31.3023, 13.6401

Square

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



32.9167, 31.3023, 67.2578



39.7859, 31.3023, 26.0518



26.7967, 31.3023, 14.1327



21.5650, 31.3023, 43.6150

Rectangle

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



32.9167, 31.3023, 67.2578



39.5945, 31.3023, 45.0966



26.7967, 31.3023, 14.1327



21.6927, 31.3023, 25.0264

Sweetspot

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



32.9178, 31.3035, 67.2585



78.2914, 80.7001, 106.0580



44.7250, 57.1530, 64.3042



16.3509, 16.8027, 22.6314



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.



32.9178, 31.3035, 67.2585



42.5722, 38.8383, 99.8605



36.1844, 30.5467, 66.9403



11.8862, 12.2958, 15.6844



7.6782, 3.6182, 38.7469



0.5106, 0.3132, 2.3529

Inverse Universe

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



41.7325, 34.1768, 32.4154



57.8714, 44.1989, 39.3011



48.6575, 59.8846, 32.6626



12.4958, 12.4498, 13.2849



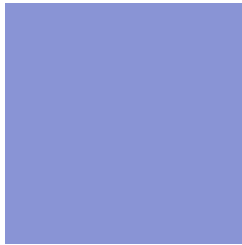
16.9345, 8.7101, 1.6930



1.0454, 0.5349, 0.2283

Previews

White Background



This preview shows how the XYZ color 32.9167, 31.3023, 67.2578 looks on a white background.

Color Contrast Check

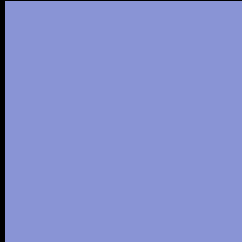
Large Text (above 18pt) WCAG AA × Fail

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 32.9167, 31.3023, 67.2578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

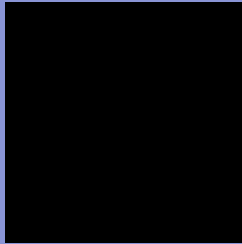
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.9167, 31.3023, 67.2578

Background



This preview shows how black text looks on a background with the XYZ color 32.9167, 31.3023, 67.2578.



This preview shows how white text looks on a background with the XYZ color 32.9167, 31.3023,

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

32.9167, 31.3023, 67.2578

Protanopia

32.2451, 31.1752, 67.9362

Deuteranopia

32.1225, 31.3626, 67.3113



Tritanopia

27.9708, 31.4905, 42.1402

Trichromacy



Original Color

32.9167, 31.3023, 67.2578

Protanomaly

32.5579, 31.3365, 67.9509

Deuteranomaly

32.4306, 31.2855, 67.2802

Tritanomaly

29.6726, 31.4393, 50.4034

Monochromacy



Original Color

32.9167, 31.3023, 67.2578

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.7392, 31.3923, 44.4836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9167, 31.3023, 67.2578 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(137, 148, 213)` looks like.

```
.text, #text, p{  
    color:rgb(137, 148, 213)  
}
```

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(137, 148, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 148, 213) }
```

Border

The CSS property to change the border of an element to XYZ 32.9167, 31.3023, 67.2578 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(137, 148, 213) }
```


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

```
.border{ border-color:rgb(137, 148, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 148, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 148, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 148, 213);  
box-shadow:4px 4px 4px 4px rgb(137, 148,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9167, 31.3023, 67.2578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 148, 213) }
```

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

```
.background{ background-color: rgb(137,  
148, 213) }
```

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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