

Converting Colors

XYZ(33.1003, 29.1452, 67.9042)

Have a look what the booklet for
XYZ(33.1003, 29.1452, 67.9042)
contains.

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Color

**XYZ(33.2083, 29.1942,
68.1748)**

Conversions

Conversions Part 1

Format	Color
Hex	928AD7
RGB	146, 138, 215
RGB Percent	57%, 54%, 84%
CMY	0.4274, 0.4588, 0.1569
CMYK	0.32, 0.36, 0.00, 0.16
HSL	246°, 49%, 69%
HSV	246°, 36%, 84%
XYZ	33.2083, 29.1942, 68.1748
YIQ	149.1700, -19.9490, 25.6430

Conversions

Conversions Part 2

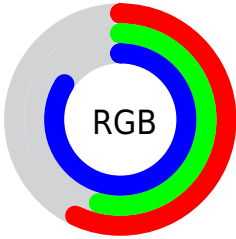
Format	Color
RYB	146, 138, 215
Decimal	9603799
CIELab	60.95, 20.47, -38.42
CIElCh	61, 43.535, 298.043
Yxy	29.1942, 0.2543, 0.2236
Android (android.graphics.Color)	4287793879 (0xFF928AD7)
YUV	149.1700, 32.4542, -2.7801
Hunter-Lab	54.0317, 15.1522, -36.9874

Details

The XYZ color **33.2083, 29.1942, 68.1748** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **54.6204, 63.7018, 33.4626**, and the grayscale version is **28.5131, 29.9980, 32.6679**.

A 20% lighter version of the original color is **61.0379, 57.0382, 102.4002**, and **14.3491, 11.8447, 34.7877** is the 20% darker color. If you saturate the color by 10%, you get **27.2826, 22.0052, 67.1000**, and if you desaturate by 10%, it is **40.3237, 37.9041, 69.4815**.

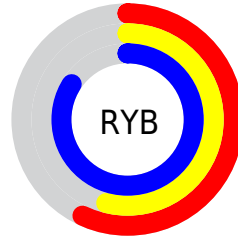
Distribution



Red (57%)

Green (54%)

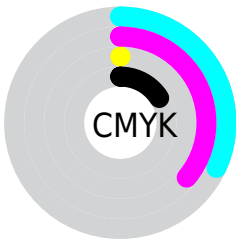
Blue (84%)



Red (57%)

Yellow (54%)

Blue (84%)

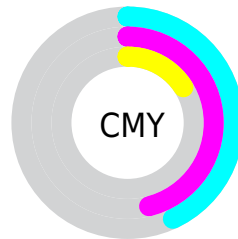


Cyan (32%)

Magenta (36%)

Yellow (0%)

Black (16%)



Cyan (43%)

Magenta (46%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2083, 29.1942, 68.1748 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 33.2083, 29.1942, 68.1748 by changing the saturation by 10% instead.

■ 33.2083, 29.1942,
68.1748

■ 33.2083, 29.1942,
68.1748

308.2357,
298.1301, 472.7300

■ 22.4461, 19.2278,
49.5724

■ 64.0531, 58.3855,
118.2587

■ 14.3035, 11.8350,
34.7049

■ 84.8664, 78.3791,
150.5774

■ 8.4151, 6.6314,
23.1539

■ 109.7607,
102.4840, 188.3051

■ 4.4157, 3.2327,
14.5009

139.1015,
131.0845, 231.8606

■ 1.9399, 1.2544,
8.3271

173.2540,
164.5649, 281.6622

■ 0.5999, 0.1055,
4.2142

212.5836,

■ 0.0000, 0.0000,

203.3097, 338.1286

1.7436

257.4558,
247.7034, 401.6784

■ 0.0000, 0.0000,
0.3903

■ 0.0000, 0.0000,
0.0000

■ 33.2083, 29.1942,
68.1748

■ 33.2083, 29.1942,
68.1748

■ 27.2826, 22.0052,
67.1000

■ 40.3237, 37.9041,
69.4815

■ 22.4785, 16.2463,
66.2416

■ 48.6859, 48.2118,
71.0303

■ 18.7255, 11.8224,
65.5856

■ 58.3520, 60.1930,
72.8335

■ 15.9439, 8.6255,
65.1151

■ 69.3745, 73.9179,
74.9017

■ 14.0423, 6.5303,
64.8109

■ 81.8031, 89.4522,
77.2451

■ 12.9109, 5.3839,
64.6493

■ 89.2659, 97.6863,
78.4411

■ 12.6043, 5.0808,
64.6069

Harmonies

Analogous

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



27.3768, 29.1942, 74.4365



33.2083, 29.1942, 68.1748



38.0888, 29.1942, 51.3921

Triad

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



33.2083, 29.1942, 68.1748



33.9421, 29.1942, 11.9441



18.1984, 29.1942, 30.7308

Complementary

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



33.2083, 29.1942, 68.1748



54.6204, 63.7018, 33.4626

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.



19.4722, 29.1942, 17.9356



33.2083, 29.1942, 68.1748



28.1230, 29.1942, 9.6492

Square

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



33.2083, 29.1942, 68.1748



38.5515, 29.1942, 19.2293



22.9220, 29.1942, 11.3962



19.1790, 29.1942, 48.8844

Rectangle

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



33.2083, 29.1942, 68.1748



39.8682, 29.1942, 38.7210



22.9220, 29.1942, 11.3962



18.3731, 29.1942, 25.7354

Sweetspot

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



33.2093, 29.1953, 68.1755



78.0951, 78.9314, 105.7270



45.1333, 55.0815, 72.5436



16.3045, 16.3853, 22.5533



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.



33.2093, 29.1953, 68.1755



42.0836, 34.7203, 99.0914



41.1702, 33.2993, 68.5480



11.8612, 12.0698, 15.6421



7.5813, 3.0608, 38.6444



0.4989, 0.2061, 2.3328

Inverse Universe

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



48.3759, 37.1299, 63.6486



67.6884, 48.1257, 90.9965



45.2080, 58.8495, 33.0221



12.8948, 12.6094, 15.3864



22.5197, 10.9442, 31.1046



1.3747, 0.6667, 1.9623

Previews

White Background



This preview shows how the XYZ color 33.2083, 29.1942, 68.1748 looks on a white background.

Color Contrast Check

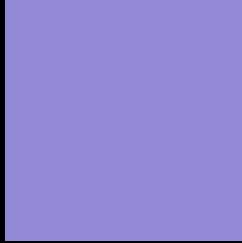
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.2083, 29.1942, 68.1748 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 × Fail

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

XYZ 33.2083, 29.1942, 68.1748

Background



This preview shows how black text looks on a background with the XYZ color 33.2083, 29.1942, 68.1748.



This preview shows how white text looks on a background with the XYZ color 33.2083, 29.1942,

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

33.2083, 29.1942, 68.1748

Protanopia

30.7767, 29.1788, 71.7201

Deuteranopia

30.0349, 29.3549, 67.0339



Tritanopia

27.1721, 29.2190, 37.9259

Trichromacy



Original Color

33.2083, 29.1942, 68.1748

Protanomaly

31.5338, 29.1538, 70.2949

Deuteranomaly

31.0133, 29.1671, 67.6136

Tritanomaly

29.1133, 29.0760, 47.7938

Monochromacy



Original Color

33.2083, 29.1942, 68.1748

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.8810, 29.5638, 43.6667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2083, 29.1942, 68.1748 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(146, 138, 215)` looks like.

```
.text, #text, p{  
    color:rgb(146, 138, 215)  
}
```

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(146, 138, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 138, 215) }
```

Border

The CSS property to change the border of an element to XYZ 33.2083, 29.1942, 68.1748 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(146, 138, 215) }
```


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

```
.border{ border-color:rgb(146, 138, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 138, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 138, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 138, 215);  
box-shadow:4px 4px 4px 4px rgb(146, 138,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2083, 29.1942, 68.1748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 138, 215) }
```

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

```
.background{ background-color: rgb(146,  
138, 215) }
```

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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