

Converting Colors

XYZ(33.7954, 29.1617, 67.0314)

Have a look what the booklet for
XYZ(33.7954, 29.1617, 67.0314)
contains.

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Color

**XYZ(33.7633, 29.0878,
66.7858)**

Conversions

Conversions Part 1

Format	Color
Hex	9888D5
RGB	152, 136, 213
RGB Percent	60%, 53%, 84%
CMY	0.4039, 0.4667, 0.1647
CMYK	0.29, 0.36, 0.00, 0.16
HSL	252°, 48%, 68%
HSV	252°, 36%, 84%
XYZ	33.7633, 29.0878, 66.7858
YIQ	149.5620, -15.1810, 27.3390

Conversions

Conversions Part 2

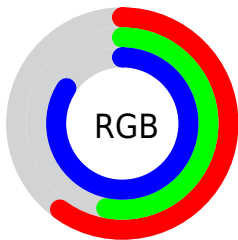
Format	Color
R_{YB}	152, 136, 213
Decimal	9996501
CIE _{Lab}	60.86, 22.82, -37.41
CIE _{LCh}	61, 43.826, 301.381
Yxy	29.0878, 0.2604, 0.2244
Android (android.graphics.Color)	4288186581 (0xFF9888D5)
YUV	149.5620, 31.2749, 2.1381
Hunter-Lab	53.9331, 17.3620, -35.6661

Details

The XYZ color **33.7633, 29.0878, 66.7858** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **51.2647, 61.2370, 32.4116**, and the grayscale version is **28.6815, 30.1751, 32.8607**.

A 20% lighter version of the original color is **62.2600, 57.0251, 102.3332**, and **14.6449, 11.7768, 33.8490** is the 20% darker color. If you saturate the color by 10%, you get **28.1197, 22.1595, 65.7465**, and if you desaturate by 10%, it is **40.4544, 37.4421, 68.0462**.

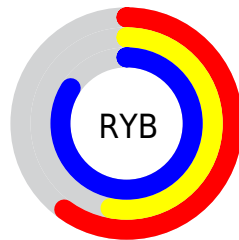
Distribution



Red (60%)

Green (53%)

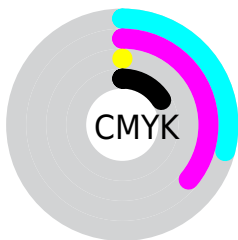
Blue (84%)



Red (60%)

Yellow (53%)

Blue (84%)

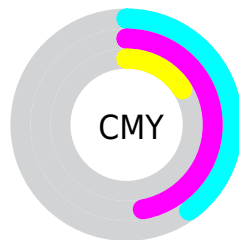


Cyan (29%)

Magenta (36%)

Yellow (0%)

Black (16%)



Cyan (40%)

Magenta (47%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7633, 29.0878, 66.7858 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 33.7633, 29.0878, 66.7858 by changing the saturation by 10% instead.

■ 33.7633, 29.0878,
66.7858

■ 33.7633, 29.0878,
66.7858

310.6798,
297.6290, 467.6627

■ 22.8738, 19.1473,
48.4501

■ 64.9121, 58.2166,
116.2512

■ 14.6206, 11.7767,
33.8209

■ 85.9023, 78.1735,
148.2179

■ 8.6381, 6.5918,
22.4798

■ 110.9900,
102.2381, 185.5653

■ 4.5611, 3.2082,
14.0082

140.5406,
130.7947, 228.7121

■ 2.0242, 1.2414,
7.9876

174.9196,
164.2277, 278.0766

■ 0.6475, 0.0951,
3.9993

214.4922,

■ 0.0000, 0.0000,

202.9215, 334.0776

1.6250

259.6238,
247.2605, 397.1334

■ 0.0000, 0.0000,
0.3085

■ 0.0000, 0.0000,
0.0000

■ 33.7633, 29.0878,
66.7858

■ 33.7633, 29.0878,
66.7858

■ 28.1197, 22.1595,
65.7465

■ 40.4544, 37.4421,
68.0462

■ 23.4660, 16.5731,
64.9135

■ 48.2402, 47.2933,
69.5373

■ 19.7439, 12.2409,
64.2734

■ 57.1687, 58.7117,
71.2707

■ 16.8873, 9.0629,
63.8106

■ 67.2842, 71.7619,
73.2565

■ 14.8205, 6.9235,
63.5066

■ 78.6284, 86.5051,
75.5043

■ 13.4525, 5.6798,
63.3386

■ 88.3682, 97.2531,
77.0655

■ 13.0603, 5.3454,
63.2947

■ 89.0103, 97.5841,
77.0956

Harmonies

Analogous

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



27.9125, 29.0878, 74.6171



33.7633, 29.0878, 66.7858



38.4406, 29.0878, 49.2329

Triad

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



33.7633, 29.0878, 66.7858



33.2425, 29.0878, 11.3205



18.0648, 29.0878, 32.4353

Complementary

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



33.7633, 29.0878, 66.7858



51.2647, 61.2370, 32.4116

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.



19.0906, 29.0878, 18.8789



33.7633, 29.0878, 66.7858



27.3834, 29.0878, 9.4990

Square

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



33.7633, 29.0878, 66.7858



38.1120, 29.0878, 17.9647



22.3180, 29.0878, 11.7063



19.2980, 29.0878, 51.0148

Rectangle

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



33.7633, 29.0878, 66.7858



39.9761, 29.0878, 36.6179



22.3180, 29.0878, 11.7063



18.1558, 29.0878, 27.1922

Sweetspot

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



33.7643, 29.0889, 66.7865



79.0375, 79.4172, 105.7711



42.2672, 50.2447, 70.4218



16.5273, 16.5001, 22.5637



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.



33.7643, 29.0889, 66.7865



44.4062, 35.9176, 99.2001



42.0255, 33.3477, 67.1731



11.9813, 12.1318, 15.6477



8.0467, 3.3007, 38.6662



0.5553, 0.2351, 2.3354

Inverse Universe

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



46.3235, 35.7866, 57.2898



66.0150, 47.4563, 82.1847



42.5569, 56.7479, 32.0041



12.8373, 12.5864, 15.0836



21.1596, 10.4002, 23.9424



1.3047, 0.6387, 1.5939

Previews

White Background



This preview shows how the XYZ color 33.7633, 29.0878, 66.7858 looks on a white background.

Color Contrast Check

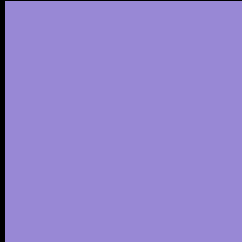
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.7633, 29.0878, 66.7858 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 33.7633, 29.0878, 66.7858

Background



This preview shows how black text looks on a background with the XYZ color 33.7633, 29.0878, 66.7858.



This preview shows how white text looks on a background with the XYZ color 33.7633, 29.0878,

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

33.7633, 29.0878, 66.7858

Protanopia

30.7767, 29.1788, 71.7201

Deuteranopia

30.0628, 29.3985, 65.7180



Tritanopia

27.6762, 29.0334, 36.9462

Trichromacy



Original Color

33.7633, 29.0878, 66.7858

Protanomaly

31.5650, 28.9650, 69.5728

Deuteranomaly

31.2295, 29.0860, 66.2555

Tritanomaly

29.6362, 28.9193, 46.6678

Monochromacy



Original Color

33.7633, 29.0878, 66.7858

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.4307, 29.8472, 43.6924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7633, 29.0878, 66.7858 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(152, 136, 213)` looks like.

```
.text, #text, p{  
    color:rgb(152, 136, 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(152, 136, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 136, 213) }
```

Border

The CSS property to change the border of an element to XYZ 33.7633, 29.0878, 66.7858 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(152, 136, 213) }
```


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

```
.border{ border-color:rgb(152, 136, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 136, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 136, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 136, 213);  
box-shadow:4px 4px 4px 4px rgb(152, 136,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7633, 29.0878, 66.7858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 136, 213) }
```

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

```
.background{ background-color: rgb(152,  
136, 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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