

Converting Colors

XYZ(33.3132, 30.3457, 49.0230)

Have a look what the booklet for
XYZ(33.3132, 30.3457, 49.0230)
contains.

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Color

**XYZ(33.1764, 30.2552,
48.8910)**

Conversions

Conversions Part 1

Format	Color
Hex	A38DB7
RGB	163, 141, 183
RGB Percent	64%, 55%, 72%
CMY	0.3608, 0.4470, 0.2823
CMYK	0.11, 0.23, 0.00, 0.28
HSL	271°, 23%, 64%
HSV	271°, 23%, 72%
XYZ	33.1764, 30.2552, 48.8910
YIQ	152.3660, -0.3700, 17.7260

Conversions

Conversions Part 2

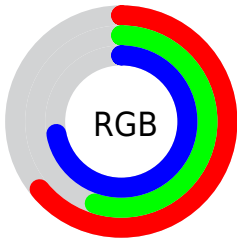
Format	Color
RYB	163, 141, 183
Decimal	10718647
CIELab	61.87, 16.38, -18.89
CIElCh	62, 25.002, 310.942
Yxy	30.2552, 0.2954, 0.2694
Android (android.graphics.Color)	4288908727 (0xFFA38DB7)
YUV	152.3660, 15.1026, 9.3260
Hunter-Lab	55.0047, 11.4050, -14.1967

Details

The XYZ color **33.1764, 30.2552, 48.8910** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **36.4402, 43.3679, 31.6510**, and the grayscale version is **29.9408, 31.5001, 34.3036**.

A 20% lighter version of the original color is **64.0085, 60.1676, 89.9013**, and **14.3259, 12.4734, 22.7716** is the 20% darker color. If you saturate the color by 10%, you get **28.9747, 24.4096, 47.9846**, and if you desaturate by 10%, it is **37.9488, 37.0584, 49.9531**.

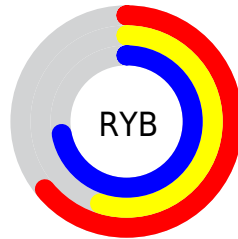
Distribution



Red (64%)

Green (55%)

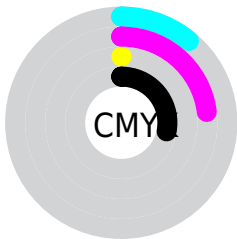
Blue (72%)



Red (64%)

Yellow (55%)

Blue (72%)

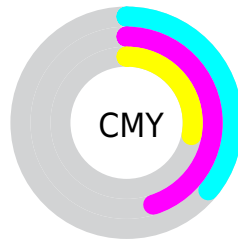


Cyan (11%)

Magenta (23%)

Yellow (0%)

Black (28%)



Cyan (36%)

Magenta (45%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1764, 30.2552, 48.8910 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 33.1764, 30.2552, 48.8910 by changing the saturation by 10% instead.

■ 33.1764, 30.2552,
48.8910

■ 33.1764, 30.2552,
48.8910

308.0948,
303.0922, 398.9232

■ 22.4215, 20.0324,
34.1680

■ 64.0037, 60.0655,
89.9089

■ 14.2853, 12.4186,
22.7443

■ 84.8067, 80.4218,
117.0408

■ 8.4024, 7.0294,
14.2013

■ 109.6899,
104.9247, 149.1462

■ 4.4074, 3.4805,
8.1205

139.0186,
133.9586, 186.6435

■ 1.9351, 1.3874,
4.0832

173.1580,
167.9079, 229.9514

■ 0.5971, 0.2074,
1.6711

212.4736,

■ 0.0000, 0.0000,

207.1570, 279.4882

0.3408

257.3308,
252.0903, 335.6726

■ 0.0000, 0.0000,
0.0000

■ 33.1764, 30.2552,
48.8910

■ 33.1764, 30.2552,
48.8910

■ 28.9747, 24.4096,
47.9846

■ 37.9488, 37.0584,
49.9531

■ 25.3166, 19.4729,
47.2245

■ 43.3119, 44.8574,
51.1758

■ 22.1767, 15.3974,
46.6034

■ 49.2879, 53.6929,
52.5662

■ 19.5263, 12.1298,
46.1123

■ 55.8973, 63.6021,
54.1306

■ 17.3336, 9.6102,
45.7416

■ 63.1594, 74.6205,
55.8746

15.5623, 7.7706,
45.4799

71.0926, 86.7819,
57.8038

14.1695, 6.5291,
45.3136

75.0489, 90.7868,
58.3683

13.3560, 5.8979,
45.2347

77.8196, 92.2152,
58.4980

80.7308, 93.7159,
58.6342

Harmonies

Analogous

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



29.9938, 30.2552, 54.5161



33.1764, 30.2552, 48.8910



35.2680, 30.2552, 39.3245

Triad

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



33.1764, 30.2552, 48.8910



30.9063, 30.2552, 18.4302



22.8978, 30.2552, 36.5610

Complementary

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



33.1764, 30.2552, 48.8910



36.4402, 43.3679, 31.6510

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.



23.1006, 30.2552, 27.2917



33.1764, 30.2552, 48.8910



27.5541, 30.2552, 17.9763

Square

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



33.1764, 30.2552, 48.8910



33.8888, 30.2552, 22.2949



24.7480, 30.2552, 20.9052



24.1707, 30.2552, 46.5338

Rectangle

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



33.1764, 30.2552, 48.8910



35.6720, 30.2552, 32.6410



24.7480, 30.2552, 20.9052



22.7983, 30.2552, 33.2464

Sweetspot

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



33.1774, 30.2565, 48.8917



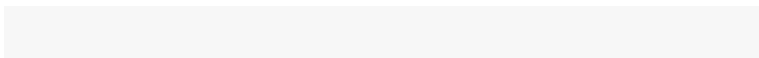
73.4369, 74.2968, 90.7059



32.3302, 34.6775, 49.7897



16.0930, 16.2250, 20.0052



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.1774, 30.2565, 48.8917



55.1464, 48.2084, 86.6343



37.5287, 32.5081, 48.7159



8.9579, 8.9447, 11.3338



9.3970, 4.1555, 31.5599



0.4022, 0.1831, 1.1159

Inverse Universe

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



35.4873, 31.6915, 37.9662



60.1949, 51.3428, 62.8439



32.7790, 41.4745, 31.7524



9.1779, 9.0815, 10.2842



14.8619, 7.5185, 7.1594



0.5552, 0.2776, 0.4173

Previews

White Background



This preview shows how the XYZ color 33.1764, 30.2552, 48.8910 looks on a white background.

Color Contrast Check

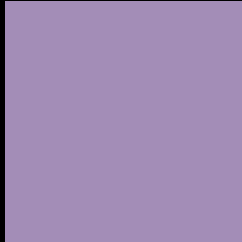
Large Text (above 18pt) WCAG AA × Fail

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 33.1764, 30.2552, 48.8910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

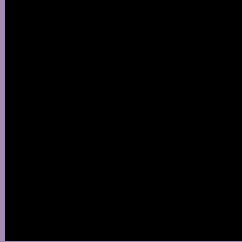
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.1764, 30.2552, 48.8910

Background



This preview shows how black text looks on a background with the XYZ color 33.1764, 30.2552, 48.8910.



This preview shows how white text looks on a background with the XYZ color 33.1764, 30.2552,

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

33.1764, 30.2552, 48.8910

Protanopia

30.4822, 30.3861, 51.8355

Deuteranopia

30.9351, 30.2311, 48.4607



Tritanopia

30.6628, 30.3630, 36.1428

Trichromacy



Original Color

33.1764, 30.2552, 48.8910

Protanomaly

31.2011, 30.0919, 50.6182

Deuteranomaly

31.5536, 30.0962, 48.4021

Tritanomaly

31.3534, 30.1733, 40.2479

Monochromacy



Original Color

33.1764, 30.2552, 48.8910

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.9111, 30.8921, 38.9839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1764, 30.2552, 48.8910 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(163, 141, 183)` looks like.

```
.text, #text, p{  
    color:rgb(163, 141, 183)  
}
```

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(163, 141, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 141, 183) }
```

Border

The CSS property to change the border of an element to XYZ 33.1764, 30.2552, 48.8910 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(163, 141, 183) }
```


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

```
.border{ border-color:rgb(163, 141, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 141, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 141, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 141, 183);  
box-shadow:4px 4px 4px 4px rgb(163, 141,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1764, 30.2552, 48.8910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 141, 183) }
```

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

```
.background{ background-color: rgb(163,  
141, 183) }
```

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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