

Converting Colors

XYZ(33.8277, 30.2796, 42.2871)

Have a look what the booklet for
XYZ(33.8277, 30.2796, 42.2871)
contains.

XYZ(33.7219, 30.2518, 42.0920)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.7219, 30.2518,
42.0920)**

Conversions

Conversions Part 1

Format	Color
Hex	AD8BAA
RGB	173, 139, 170
RGB Percent	68%, 55%, 67%
CMY	0.3216, 0.4549, 0.3333
CMYK	0.00, 0.20, 0.02, 0.32
HSL	305°, 17%, 61%
HSV	305°, 20%, 68%
XYZ	33.7219, 30.2518, 42.0920
YIQ	152.7000, 10.3130, 16.8490

Conversions

Conversions Part 2

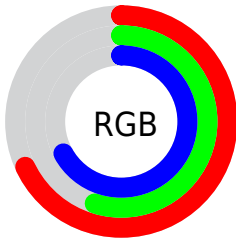
Format	Color
R_{YB}	173, 139, 170
Decimal	11373482
CIE _{Lab}	61.87, 18.32, -11.43
CIE _{LCh}	62, 21.592, 328.023
Yxy	30.2518, 0.3179, 0.2852
Android (android.graphics.Color)	4289563562 (0xFFAD8BAA)
YUV	152.7000, 8.5289, 17.8031
Hunter-Lab	55.0016, 13.1868, -6.8727

Details

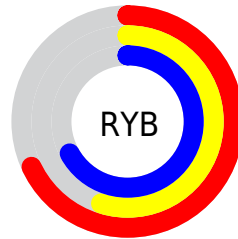
The XYZ color **33.7219, 30.2518, 42.0920** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **30.4748, 37.3300, 31.1922**, and the grayscale version is **30.1097, 31.6778, 34.4971**.

A 20% lighter version of the original color is **64.9737, 60.2342, 79.4360**, and **14.5881, 12.4458, 18.7729** is the 20% darker color. If you saturate the color by 10%, you get **31.2692, 25.5757, 40.5663**, and if you desaturate by 10%, it is **36.5745, 35.7240, 43.7600**.

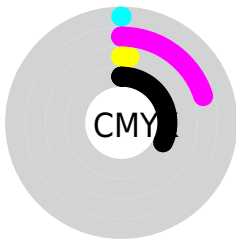
Distribution



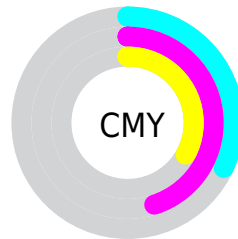
- Red (68%)
- Green (55%)
- Blue (67%)



- Red (68%)
- Yellow (55%)
- Blue (67%)



- Cyan (0%)
- Magenta (20%)
- Yellow (2%)
- Black (32%)



- Cyan (32%)
- Magenta (45%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7219, 30.2518, 42.0920 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 33.7219, 30.2518, 42.0920 by changing the saturation by 10% instead.

■ 33.7219, 30.2518,
42.0920

■ 33.7219, 30.2518,
42.0920

310.4980,
303.0764, 370.6751

■ 22.8419, 20.0298,
28.8472

■ 64.8481, 60.0602,
79.6104

■ 14.5969, 12.4167,
18.7207

■ 85.8251, 80.4153,
104.7212

■ 8.6214, 7.0281,
11.2939

■ 110.8984,
104.9169, 134.6243

■ 4.5502, 3.4797,
6.1482

140.4335,
133.9495, 169.7384

■ 2.0179, 1.3870,
2.8652

174.7956,
167.8973, 210.4820

■ 0.6440, 0.2071,
1.0262

214.3502,

■ 0.0000, 0.0000,

207.1448, 257.2736

0.0000

259.4625,
252.0763, 310.5318

■ 33.7219, 30.2518,
42.0920

■ 33.7219, 30.2518,
42.0920

■ 31.2692, 25.5757,
40.5663

■ 36.5745, 35.7240,
43.7600

■ 29.1951, 21.6546,
39.1747

■ 39.8416, 42.0231,
45.5741

■ 27.4803, 18.4495,
37.9111

■ 43.5406, 49.1830,
47.5405

■ 26.1030, 15.9167,
36.7681

■ 47.6867, 57.2348,
49.6643

■ 25.0387, 14.0073,
35.7377

■ 52.2949, 66.2078,
51.9505

■ 24.2598, 12.6660,
34.8106

■ 57.3790, 76.1300,
54.4037

■ 23.7338, 11.8279,
33.9759

■ 61.3023, 83.7278,
56.4785

■ 23.3936, 11.3587,
33.2111

■ 61.4595, 83.7906,
57.3064

■ 23.3824, 11.3438,
33.1848

■ 61.6184, 83.8542,
58.1433

Harmonies

Analogous

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



31.4401, 30.2518, 49.0534



33.7219, 30.2518, 42.0920



34.6632, 30.2518, 33.4903

Triad

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



33.7219, 30.2518, 42.0920



28.9453, 30.2518, 19.4727



24.1280, 30.2518, 40.9838

Complementary

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



33.7219, 30.2518, 42.0920



30.4748, 37.3300, 31.1922

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.



23.5567, 30.2518, 32.3940



33.7219, 30.2518, 42.0920



26.2244, 30.2518, 20.8079

Square

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



33.7219, 30.2518, 42.0920



31.7932, 30.2518, 21.2140



24.2986, 30.2518, 25.2196



25.9138, 30.2518, 48.3420

Rectangle

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



33.7219, 30.2518, 42.0920



34.3594, 30.2518, 28.2627



24.2986, 30.2518, 25.2196



23.7930, 30.2518, 38.1047

Sweetspot

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



33.7228, 30.2531, 42.0926



67.4908, 67.8072, 79.4928



27.9036, 27.2200, 43.3190



14.5900, 14.5872, 17.2323



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



33.7228, 30.2531, 42.0926



58.2131, 50.0138, 74.0509



32.2308, 29.6563, 34.2360



8.3061, 8.1357, 9.9229



17.1884, 8.3379, 24.4354



0.4869, 0.2354, 0.7256

Inverse Universe

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



33.7228, 30.2531, 42.0926



58.2131, 50.0138, 74.0509



31.8357, 37.8744, 38.3587



8.3061, 8.1357, 9.9229



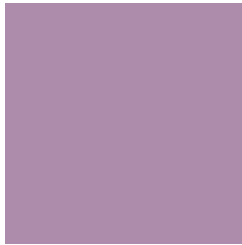
17.1884, 8.3379, 24.4354



0.4869, 0.2354, 0.7256

Previews

White Background



This preview shows how the XYZ color 33.7219, 30.2518, 42.0920 looks on a white background.

Color Contrast Check

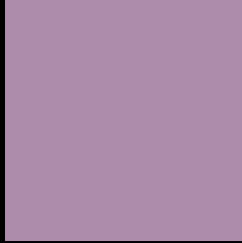
Large Text (above 18pt) WCAG AA × Fail

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 33.7219, 30.2518, 42.0920 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 33.7219, 30.2518, 42.0920

Background



This preview shows how black text looks on a background with the XYZ color 33.7219, 30.2518, 42.0920.



This preview shows how white text looks on a background with the XYZ color 33.7219, 30.2518,

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

33.7219, 30.2518, 42.0920

Protanopia

29.9280, 30.2437, 45.3345

Deuteranopia

30.9579, 30.3909, 41.7705



Tritanopia

32.2174, 30.3038, 34.2882

Trichromacy



Original Color

33.7219, 30.2518, 42.0920

Protanomaly

31.2829, 30.2754, 44.2393

Deuteranomaly

31.8842, 30.1909, 41.6831

Tritanomaly

32.7961, 30.3236, 36.9254

Monochromacy



Original Color

33.7219, 30.2518, 42.0920

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.3451, 31.1566, 37.1626

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7219, 30.2518, 42.0920 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(173, 139, 170)` looks like.

```
.text, #text, p{  
    color:rgb(173, 139, 170)  
}
```

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(173, 139, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 139, 170) }
```

Border

The CSS property to change the border of an element to XYZ 33.7219, 30.2518, 42.0920 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(173, 139, 170) }
```


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

```
.border{ border-color:rgb(173, 139, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 139, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 139, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 139, 170);  
box-shadow:4px 4px 4px 4px rgb(173, 139,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7219, 30.2518, 42.0920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 139, 170) }
```

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

```
.background{ background-color: rgb(173,  
139, 170) }
```

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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