

Converting Colors

XYZ(32.1199, 28.1235, 41.6264)

Have a look what the booklet for
XYZ(32.1199, 28.1235, 41.6264)
contains.

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Color

**XYZ(32.2208, 28.2234,
41.7796)**

Conversions

Conversions Part 1

Format	Color
Hex	AA85AA
RGB	170, 133, 170
RGB Percent	67%, 52%, 67%
CMY	0.3333, 0.4784, 0.3333
CMYK	0.00, 0.22, 0.00, 0.33
HSL	300°, 18%, 59%
HSV	300°, 22%, 67%
XYZ	32.2208, 28.2234, 41.7796
YIQ	148.2810, 10.1750, 19.3510

Conversions

Conversions Part 2

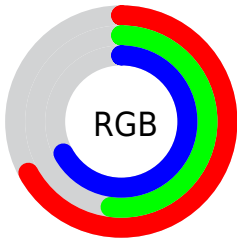
Format	Color
RYB	170, 133, 170
Decimal	11175338
CIELab	60.09, 20.66, -14.14
CIELCh	60, 25.037, 325.604
Yxy	28.2234, 0.3152, 0.2761
Android (android.graphics.Color)	4289365418 (0xFFAA85AA)
YUV	148.2810, 10.7075, 19.0476
Hunter-Lab	53.1257, 15.2905, -9.4394

Details

The XYZ color **32.2208, 28.2234, 41.7796** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **28.2824, 35.4303, 27.5400**, and the grayscale version is **28.2200, 29.6897, 32.3321**.

A 20% lighter version of the original color is **62.5135, 56.7228, 78.8879**, and **13.6994, 11.2764, 18.5941** is the 20% darker color. If you saturate the color by 10%, you get **30.0794, 23.9401, 41.0660**, and if you desaturate by 10%, it is **34.7406, 33.2625, 42.6200**.

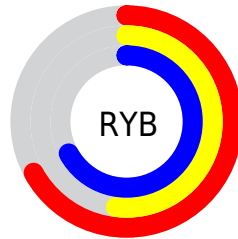
Distribution



Red (67%)

Green (52%)

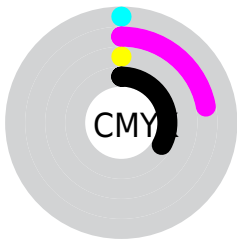
Blue (67%)



Red (67%)

Yellow (52%)

Blue (67%)

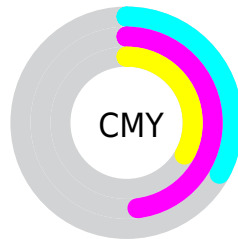


Cyan (0%)

Magenta (22%)

Yellow (0%)

Black (33%)



Cyan (33%)


Magenta (48%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2208, 28.2234, 41.7796 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 32.2208, 28.2234, 41.7796 by changing the saturation by 10% instead.


 32.2208, 28.2234,
41.7796


 32.2208, 28.2234,
41.7796


303.8513,
293.5329, 369.3412


 21.6866, 18.4941,
28.6045


 62.5199, 56.8409,
79.1324

 13.7421, 11.3053,
18.5388


 83.0155, 76.4979,
104.1472

 8.0220, 6.2726,
11.1641


 107.5623,
100.2330, 133.9456

 4.1610, 3.0115,
6.0618

136.5256,
128.4305, 168.9462

 1.7936, 1.1378,
2.8133

170.2708,
161.4749, 209.5675

 0.5138, 0.0100,
1.0001

209.1633,

 0.0000, 0.0000,

199.7505, 256.2281

0.0000

253.5683,
243.6417, 309.3465

■ 32.2208, 28.2234,
41.7796

■ 32.2208, 28.2234,
41.7796

■ 30.0794, 23.9401,
41.0660

■ 34.7406, 33.2625,
42.6200

■ 28.2957, 20.3729,
40.4714

■ 37.6531, 39.0875,
43.5909

■ 26.8511, 17.4836,
39.9897

■ 40.9750, 45.7313,
44.6983

■ 25.7240, 15.2294,
39.6139

■ 44.7214, 53.2239,
45.9472

■ 24.8906, 13.5626,
39.3360

■ 48.9063, 61.5937,
47.3422

■ 24.3235, 12.4286,
39.1469

■ 53.5434, 70.8679,
48.8880

■ 23.9905, 11.7626,
39.0358

■ 58.6456, 81.0724,
50.5889

■ 23.8334, 11.4484,
38.9834

■ 59.5938, 82.9686,
50.9050

■ 59.5938, 82.9686,
50.9051

Harmonies

Analogous

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



29.5689, 28.2234, 49.4844



32.2208, 28.2234, 41.7796



33.4289, 28.2234, 32.0988

Triad

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



32.2208, 28.2234, 41.7796



27.2991, 28.2234, 16.3143



21.6580, 28.2234, 38.9783

Complementary

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



32.2208, 28.2234, 41.7796



28.2824, 35.4303, 27.5400

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.



21.1545, 28.2234, 29.4016



32.2208, 28.2234, 41.7796



24.2572, 28.2234, 17.4380

Square

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



32.2208, 28.2234, 41.7796



30.4477, 28.2234, 18.3787



22.0688, 28.2234, 21.8244



23.5026, 28.2234, 47.6548

Rectangle

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



32.2208, 28.2234, 41.7796



33.1882, 28.2234, 26.2365



22.0688, 28.2234, 21.8244



21.3329, 28.2234, 35.7103

Sweetspot

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



32.2217, 28.2246, 41.7802



65.3915, 65.0689, 78.1148



25.3174, 24.6653, 41.4573



14.5159, 14.3773, 17.3977



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.



32.2217, 28.2246, 41.7802



56.5486, 47.3832, 75.1668



30.5927, 27.5731, 33.2023



7.8419, 7.6666, 9.4848



17.5319, 8.4215, 28.6762



0.4266, 0.2049, 0.6977

Inverse Universe

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



32.2217, 28.2246, 41.7802



56.5486, 47.3832, 75.1668



29.6753, 35.9875, 34.8748



7.8419, 7.6666, 9.4848



17.5319, 8.4215, 28.6762



0.4266, 0.2049, 0.6977

Previews

White Background



This preview shows how the XYZ color 32.2208, 28.2234, 41.7796 looks on a white background.

Color Contrast Check

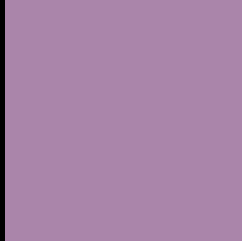
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.2208, 28.2234, 41.7796 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 32.2208, 28.2234, 41.7796

Background



This preview shows how black text looks on a background with the XYZ color 32.2208, 28.2234, 41.7796.



This preview shows how white text looks on a background with the XYZ color 32.2208, 28.2234,

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

32.2208, 28.2234, 41.7796

Protanopia

28.2256, 28.4392, 45.5966

Deuteranopia

28.8055, 28.1728, 40.9655



Tritanopia

30.2273, 28.2449, 31.8756

Trichromacy



Original Color

32.2208, 28.2234, 41.7796

Protanomaly

29.4125, 28.2017, 43.9377

Deuteranomaly

29.9602, 28.1095, 41.3827

Tritanomaly

30.9534, 28.3334, 35.2900

Monochromacy



Original Color

32.2208, 28.2234, 41.7796

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.5335, 29.1131, 35.5153

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2208, 28.2234, 41.7796 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(170, 133, 170)` looks like.

```
.text, #text, p{  
    color:rgb(170, 133, 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(170, 133, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 133, 170) }
```

Border

The CSS property to change the border of an element to XYZ 32.2208, 28.2234, 41.7796 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(170, 133, 170) }
```


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

```
.border{ border-color:rgb(170, 133, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 133, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 133, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 133, 170);  
box-shadow:4px 4px 4px 4px rgb(170, 133,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2208, 28.2234, 41.7796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 133, 170) }
```

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

```
.background{ background-color: rgb(170,  
133, 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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