

Converting Colors

XYZ(42.6486, 32.4592, 62.9107)

Have a look what the booklet for
XYZ(42.6486, 32.4592, 62.9107)
contains.

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Color

**XYZ(42.7983, 32.6124,
63.0706)**

Conversions

Conversions Part 1

Format	Color
Hex	C782CF
RGB	199, 130, 207
RGB Percent	78%, 51%, 81%
CMY	0.2196, 0.4902, 0.1882
CMYK	0.04, 0.37, 0.00, 0.19
HSL	294°, 45%, 66%
HSV	294°, 37%, 81%
XYZ	42.7983, 32.6124, 63.0706
YIQ	159.4090, 16.4070, 38.5750

Conversions

Conversions Part 2

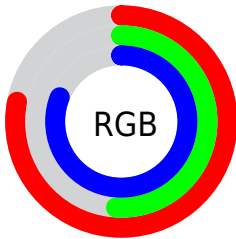
Format	Color
R_{YB}	199, 130, 207
Decimal	13075151
CIE Lab	63.85, 39.07, -29.05
CIE LCh	64, 48.691, 323.366
Yxy	32.6124, 0.3091, 0.2355
Android (android.graphics.Color)	4291265231 (0xFFC782CF)
YUV	159.4090, 23.4624, 34.7213
Hunter-Lab	57.1073, 33.8368, -25.5062

Details

The XYZ color **42.7983, 32.6124, 63.0706** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **36.8245, 51.6415, 29.1476**, and the grayscale version is **33.0334, 34.7538, 37.8468**.

A 20% lighter version of the original color is **76.4305, 62.7610, 102.6935**, and **19.9651, 13.7883, 31.3149** is the 20% darker color. If you saturate the color by 10%, you get **39.7507, 27.3576, 62.2174**, and if you desaturate by 10%, it is **46.4100, 38.9819, 64.1102**.

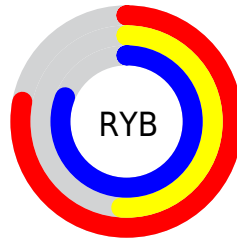
Distribution



Red (78%)

Green (51%)

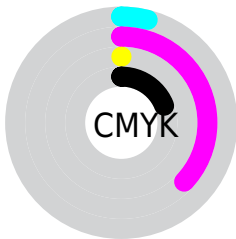
Blue (81%)



Red (78%)

Yellow (51%)

Blue (81%)

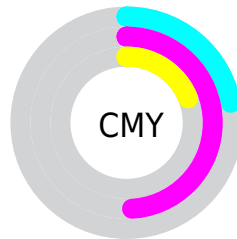


Cyan (4%)

Magenta (37%)

Yellow (0%)

Black (19%)



Cyan (22%)


Magenta (49%)


Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7983, 32.6124, 63.0706 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 42.7983, 32.6124, 63.0706 by changing the saturation by 10% instead.


 42.7983, 32.6124,
63.0706


 42.7983, 32.6124,
63.0706

348.7172,
313.8996, 453.9407


 29.9207, 21.8297,
45.4570

 78.6640, 63.7699,
110.8579

 19.9262, 13.7318,
31.4719

 102.3829, 84.9135,
141.8687

 12.4494, 7.9344,
20.6970

 130.4462,
110.2795, 178.1822

 7.1249, 4.0530,
12.7136

163.2193,
140.2523, 220.2171

 3.5873, 1.7032,
7.1032

201.0676,
175.2163, 268.3918

 1.4714, 0.4258,
3.4473

244.3565,

 0.3063, 0.0000,

215.5560, 323.1250

1.3273

293.4512,
261.6556, 384.8351

■ 0.0000, 0.0000,
0.0840

■ 0.0000, 0.0000,
0.0000

■ 42.7983, 32.6124,
63.0706

■ 42.7983, 32.6124,
63.0706

■ 39.7507, 27.3576,
62.2174

■ 46.4100, 38.9819,
64.1102

■ 37.2304, 23.1463,
61.5374

■ 50.6132, 46.5230,
65.3442

■ 35.2016, 19.9061,
61.0189

■ 55.4373, 55.2940,
66.7829

■ 33.6223, 17.5530,
60.6480

■ 60.9089, 65.3480,
68.4352

■ 32.4435, 15.9893,
60.4083

■ 67.0531, 76.7348,
70.3092

■ 31.5991, 15.0824,
60.2777

■ 73.8935, 89.5018,
72.4130

■ 31.3898, 14.8810,
60.2499

■ 74.7704, 90.3295,
72.5265

■ 75.4024, 90.6554,
72.5561

■ 76.0428, 90.9855,
72.5861

Harmonies

Analogous

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



36.5131, 32.6124, 82.5431



42.7983, 32.6124, 63.0706



45.9876, 32.6124, 40.0425

Triad

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



42.7983, 32.6124, 63.0706



32.5420, 32.6124, 9.6923



20.4206, 32.6124, 52.6467

Complementary

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



42.7983, 32.6124, 63.0706



36.8245, 51.6415, 29.1476

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.



19.6795, 32.6124, 31.3320



42.7983, 32.6124, 63.0706



26.0667, 32.6124, 10.9361

Square

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



42.7983, 32.6124, 63.0706



39.5287, 32.6124, 13.0437



21.5930, 32.6124, 17.4379



23.7909, 32.6124, 75.1380

Rectangle

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



42.7983, 32.6124, 63.0706



45.6395, 32.6124, 27.4921



21.5930, 32.6124, 17.4379



19.8784, 32.6124, 44.9510

Sweetspot

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



42.7994, 32.6138, 63.0713



85.6814, 82.8423, 106.0820



29.7000, 27.7128, 62.8157



18.1112, 17.3167, 22.6378



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.



42.7994, 32.6138, 63.0713



64.4538, 45.1179, 99.9193



41.6999, 32.4257, 45.9101



12.1848, 11.9441, 14.9069



19.8240, 9.4000, 37.9620



1.1441, 0.5439, 2.1243

Inverse Universe

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



38.3033, 31.0671, 28.0240



56.3362, 42.3619, 34.9870



37.8229, 51.8935, 41.0608



11.8579, 11.8279, 12.5277



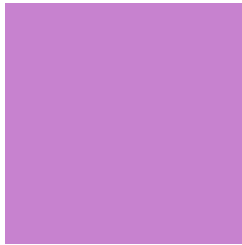
16.3174, 8.3998, 1.3117



0.9297, 0.4766, 0.1647

Previews

White Background



This preview shows how the XYZ color 42.7983, 32.6124, 63.0706 looks on a white background.

Color Contrast Check

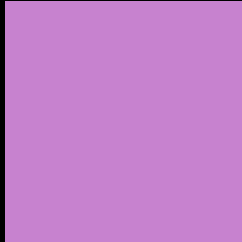
Large Text (above 18pt) WCAG AA × Fail

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 42.7983, 32.6124, 63.0706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

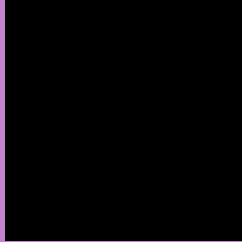
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.7983, 32.6124, 63.0706

Background



This preview shows how black text looks on a background with the XYZ color 42.7983, 32.6124, 63.0706.



This preview shows how white text looks on a background with the XYZ color 42.7983, 32.6124,

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

42.7983, 32.6124, 63.0706

Protanopia

34.4976, 33.1242, 75.8096

Deuteranopia

33.5093, 32.6976, 61.0450



Tritanopia

36.9306, 32.5232, 34.0369

Trichromacy



Original Color

42.7983, 32.6124, 63.0706



Protanomaly

36.4906, 32.3807, 70.6565



Deuteranomaly

36.1822, 32.1987, 61.4347



Tritanomaly

38.8977, 32.4720, 43.2473

Monochromacy



Original Color

42.7983, 32.6124, 63.0706



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

35.8819, 33.3131, 45.6132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7983, 32.6124, 63.0706 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(199, 130, 207)` looks like.

```
.text, #text, p{  
    color:rgb(199, 130, 207)  
}
```

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(199, 130, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 130, 207) }
```

Border

The CSS property to change the border of an element to XYZ 42.7983, 32.6124, 63.0706 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(199, 130, 207) }
```


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

```
.border{ border-color:rgb(199, 130, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 130, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 130, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 130, 207);  
box-shadow:4px 4px 4px 4px rgb(199, 130,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7983, 32.6124, 63.0706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 130, 207) }
```

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

```
.background{ background-color: rgb(199,  
130, 207) }
```

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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