

# Converting Colors

XYZ(46.1628, 41.4626, 53.8771)

Have a look what the booklet for  
XYZ(46.1628, 41.4626, 53.8771)  
contains.

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# Color

**XYZ(46.1132, 41.3723,  
53.6993)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAA0BD
RGB	202, 160, 189
RGB Percent	79%, 63%, 74%
CMY	0.2078, 0.3725, 0.2588
CMYK	0.00, 0.21, 0.06, 0.21
HSL	319°, 28%, 71%
HSV	319°, 21%, 79%
XYZ	46.1132, 41.3723, 53.6993
YIQ	175.8640, 15.7230, 17.9230

# Conversions

## Conversions Part 2

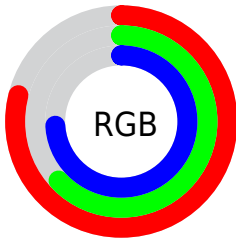
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	202, 160, 189
Decimal	13279421
CIE Lab	70.44, 20.32, -8.99
CIE LCh	70, 22.216, 336.135
Yxy	41.3723, 0.3266, 0.2930
Android (android.graphics.Color)	4291469501 (0xFFCAA0BD)
YUV	175.8640, 6.4760, 22.9213
Hunter-Lab	64.3213, 15.4079, -4.4740

# Details

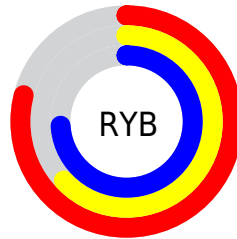
The XYZ color **46.1132, 41.3723, 53.6993** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.1622, 52.7329, 47.4411**, and the grayscale version is **41.1586, 43.3021, 47.1560**.

A 20% lighter version of the original color is **82.0219, 76.4534, 96.8202**, and **22.0192, 18.7986, 25.7605** is the 20% darker color. If you saturate the color by 10%, you get **42.2280, 34.6642, 49.1276**, and if you desaturate by 10%, it is **50.5991, 49.2336, 58.6166**.

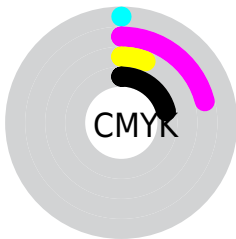
# Distribution



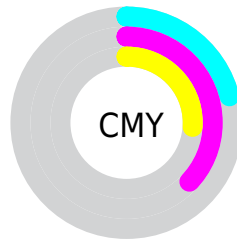
- Red (79%)
- Green (63%)
- Blue (74%)



- Red (79%)
- Yellow (63%)
- Blue (74%)



- Cyan (0%)
- Magenta (21%)
- Yellow (6%)
- Black (21%)




- Cyan (21%)
- Magenta (37%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1132, 41.3723, 53.6993 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 46.1132, 41.3723, 53.6993 by changing the saturation by 10% instead.





 46.1132, 41.3723,  
53.6993


 46.1132, 41.3723,  
53.6993


361.9719,  
351.8742, 418.1045

 32.5402, 28.6101,  
37.9698


 83.6152, 77.2487,  
97.0845

 21.9320, 18.7861,  
25.6576


 108.2749,  
101.1318, 125.5773

 13.9232, 11.5158,  
16.3442


137.3608,  
129.4905, 159.1616

 8.1486, 6.4149,  
9.6110

171.2384,  
162.7094, 198.2559

 4.2428, 3.0990,  
5.0396

210.2729,  
201.1729, 243.2788

 1.8404, 1.1836,  
2.2114

254.8298,

 0.5418, 0.0483,

245.2652, 294.6489

0.6809

305.2743,  
295.3709, 352.7846

■ 0.0000, 0.0000,  
0.0000

■ 46.1132, 41.3723,  
53.6993

■ 46.1132, 41.3723,  
53.6993

■ 42.2280, 34.6642,  
49.1276

■ 50.5991, 49.2336,  
58.6166

■ 38.9119, 29.0489,  
44.8877

■ 55.7079, 58.2940,  
63.8872

■ 36.1363, 24.4687,  
40.9687

■ 61.4653, 68.6035,  
69.5219

■ 33.8680, 20.8581,  
37.3578

■ 67.8943, 80.2077,  
75.5301

■ 32.0704, 18.1446,  
34.0408

■ 73.0709, 89.2581,  
81.2721

■ 30.7017, 16.2450,  
31.0018

■ 73.9161, 89.5962,  
85.7232

■ 29.7122, 15.0606,  
28.2222

■ 74.7927, 89.9468,  
90.3394

■ 29.0521, 14.4346,  
25.8620

■ 75.7010, 90.3101,  
95.1222

■ 76.6412, 90.6862,  
100.0733

# Harmonies

## Analogous

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



43.6188, 41.3723, 63.3550



46.1132, 41.3723, 53.6993



46.7400, 41.3723, 42.9284

# Triad

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



46.1132, 41.3723, 53.6993



38.5761, 41.3723, 27.8392



33.9112, 41.3723, 58.0022

# Complementary

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



46.1132, 41.3723, 53.6993



43.1622, 52.7329, 47.4411

# 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.



32.7356, 41.3723, 47.2351



46.1132, 41.3723, 53.6993



35.3192, 41.3723, 30.6574

# Square

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



46.1132, 41.3723, 53.6993



42.2382, 41.3723, 29.0215



33.2346, 41.3723, 37.3786



36.5453, 41.3723, 66.0965



# Rectangle

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



46.1132, 41.3723, 53.6993



45.9823, 41.3723, 36.7433



33.2346, 41.3723, 37.3786



33.3401, 41.3723, 54.5170

# Sweetspot

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



46.1144, 41.3741, 53.7002



89.6086, 90.3224, 103.3707



40.3785, 38.2467, 61.1318



19.0583, 19.1172, 21.9997



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.



46.1144, 41.3741, 53.7002



74.9593, 64.6443, 87.3258



44.0346, 40.5422, 42.7480



11.5339, 11.3423, 13.3463



18.7360, 9.3050, 16.8603



0.9996, 0.4933, 1.0440



# Inverse Universe

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



46.1144, 41.3741, 53.7002



74.9593, 64.6443, 87.3258



45.3118, 53.5927, 58.7609



11.5339, 11.3423, 13.3463



18.7360, 9.3050, 16.8603

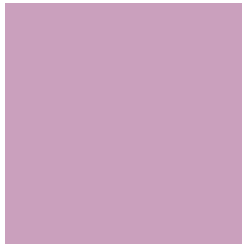


0.9996, 0.4933, 1.0440



# Previews

## White Background



This preview shows how the XYZ color 46.1132, 41.3723, 53.6993 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

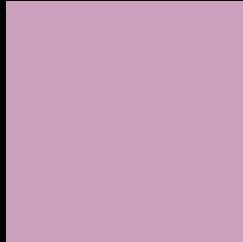
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.1132, 41.3723, 53.6993 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

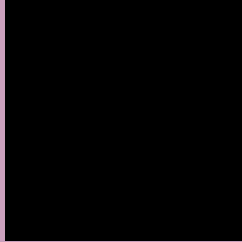
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 46.1132, 41.3723, 53.6993**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.1132, 41.3723, 53.6993.



This preview shows how white text looks on a background with the XYZ color 46.1132, 41.3723,



# 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

46.1132, 41.3723, 53.6993

### Protanopia

40.8889, 41.5464, 58.0887

### Deuteranopia

42.3711, 41.5812, 53.3697



## Tritanopia

44.4776, 41.2152, 46.1685

# Trichromacy



## Original Color

46.1132, 41.3723, 53.6993

## Protanomaly

42.5004, 41.3114, 56.1860

## Deuteranomaly

43.5185, 41.3599, 53.2665

## Tritanomaly

45.0705, 41.2025, 48.7574

# Monochromacy



## Original Color

46.1132, 41.3723, 53.6993

## Achromatopsia

41.2663, 43.4154, 47.2793

## Achromatomaly

42.7228, 42.3999, 49.6483

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.1132, 41.3723, 53.6993 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(202, 160, 189)` looks like.

```
.text, #text, p{  
    color:rgb(202, 160, 189)  
}
```

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(202, 160, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 160, 189) }
```

## Border

The CSS property to change the border of an element to XYZ 46.1132, 41.3723, 53.6993 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(202, 160, 189) }
```



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

```
.border{ border-color:rgb(202, 160, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 160, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 160, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 160, 189);  
box-shadow:4px 4px 4px 4px rgb(202, 160,  
189) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.1132, 41.3723, 53.6993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 160, 189) }
```

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

```
.background{ background-color: rgb(202,  
160, 189) }
```

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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