

# Converting Colors

XYZ(39.8393, 32.2582, 41.0201)

Have a look what the booklet for  
XYZ(39.8393, 32.2582, 41.0201)  
contains.

<b>XYZ(39.8125, 32.1588, 41.1547)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(39.8125, 32.1588,  
41.1547)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CA85A8
RGB	202, 133, 168
RGB Percent	79%, 52%, 66%
CMY	0.2078, 0.4784, 0.3412
CMYK	0.00, 0.34, 0.17, 0.21
HSL	330°, 39%, 66%
HSV	330°, 34%, 79%
XYZ	39.8125, 32.1588, 41.1547
YIQ	157.6210, 29.8890, 25.5130

# Conversions

## Conversions Part 2

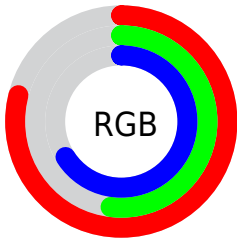
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	202, 133, 168
Decimal	13272488
CIE Lab	63.47, 31.55, -7.58
CIE LCh	63, 32.446, 346.488
Yxy	32.1588, 0.3519, 0.2843
Android (android.graphics.Color)	4291462568 (0xFFCA85A8)
YUV	157.6210, 5.1168, 38.9204
Hunter-Lab	56.7087, 26.0761, -3.3319

# Details

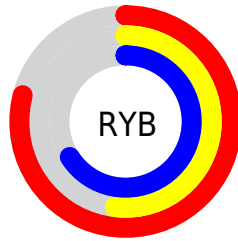
The XYZ color **39.8125, 32.1588, 41.1547** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **37.7698, 50.0184, 44.2254**, and the grayscale version is **32.2968, 33.9787, 37.0029**.

A 20% lighter version of the original color is **72.3296, 62.1284, 77.9918**, and **18.2023, 13.4986, 18.1691** is the 20% darker color. If you saturate the color by 10%, you get **36.4162, 26.7937, 35.6211**, and if you desaturate by 10%, it is **43.8135, 38.6189, 47.2408**.

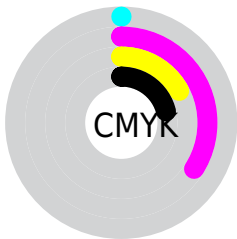
# Distribution



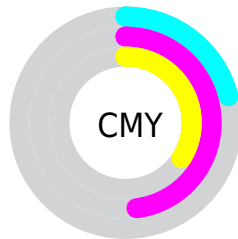
- Red (79%)
- Green (52%)
- Blue (66%)



- Red (79%)
- Yellow (52%)
- Blue (66%)



- Cyan (0%)
- Magenta (34%)
- Yellow (17%)
- Black (21%)




- Cyan (21%)
- Magenta (48%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8125, 32.1588, 41.1547 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 39.8125, 32.1588, 41.1547 by changing the saturation by 10% instead.





 39.8125, 32.1588,  
41.1547


 39.8125, 32.1588,  
41.1547


336.4806,  
311.8420, 366.6625


 27.5759, 21.4828,  
28.1194


 74.1641, 63.0600,  
78.1749

 18.1451, 13.4774,  
18.1758


 97.0098, 84.0539,  
102.9968

 11.1545, 7.7581,  
10.9056


 124.1226,  
109.2560, 132.5848

 6.2389, 3.9405,  
5.8900

155.8679,  
139.0506, 167.3572

 3.0329, 1.6404,  
2.7106

192.6110,  
173.8221, 207.7326

 1.1712, 0.3846,  
0.9488

234.7172,

 0.0834, 0.0000,

213.9549, 254.1296

0.0000

282.5520,  
259.8334, 306.9667

■ 0.0000, 0.0000,  
0.0000

■ 39.8125, 32.1588,  
41.1547

■ 39.8125, 32.1588,  
41.1547

■ 36.4162, 26.7937,  
35.6211

■ 43.8135, 38.6189,  
47.2408

■ 33.5896, 22.4572,  
30.6196

■ 48.4460, 46.2264,  
53.8949

■ 31.2983, 19.0829,  
26.1310


■ 53.7386, 55.0357,  
61.1342


■ 29.5028, 16.5943,  
22.1337


■ 59.7173, 65.0964,  
68.9744


■ 28.1576, 14.9034,  
18.6038


■ 66.4067, 76.4554,  
77.4306


 27.2078, 13.9034,  
15.5140

 73.8299, 89.1570,  
86.5174

 26.7783, 13.5250,  
13.8891

 75.5029, 90.2309,  
94.0798

 77.0038, 90.8313,  
101.9836

 78.1672, 91.2966,  
108.1099

# Harmonies

## Analogous

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



37.3074, 32.1588, 55.0852



39.8125, 32.1588, 41.1547



39.6734, 32.1588, 28.4196

# Triad

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



39.8125, 32.1588, 41.1547



28.1666, 32.1588, 16.1699



24.9676, 32.1588, 56.3302

# Complementary

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



39.8125, 32.1588, 41.1547



37.7698, 50.0184, 44.2254

# 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.



22.9713, 32.1588, 42.5602



39.8125, 32.1588, 41.1547



24.6899, 32.1588, 20.5299

# Square

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



39.8125, 32.1588, 41.1547



32.6405, 32.1588, 15.9709



22.8749, 32.1588, 29.5193



28.5813, 32.1588, 65.1969



# Rectangle

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



39.8125, 32.1588, 41.1547



38.0940, 32.1588, 22.2090



22.8749, 32.1588, 29.5193



24.1014, 32.1588, 51.9875

# Sweetspot

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



39.8134, 32.1603, 41.1554



85.4902, 84.0126, 96.0569



34.8489, 29.1860, 59.6741



18.0311, 17.5381, 20.1916



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.



39.8134, 32.1603, 41.1554



63.0551, 47.5513, 62.6550



37.0594, 31.0587, 26.6527



11.4458, 11.3070, 12.8820



17.2766, 8.7212, 9.1750



0.9296, 0.4652, 0.6750



# Inverse Universe

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



39.8134, 32.1603, 41.1554



63.0551, 47.5513, 62.6550



41.3193, 51.4382, 62.9170



11.4458, 11.3070, 12.8820



17.2766, 8.7212, 9.1750



0.9296, 0.4652, 0.6750



# Previews

## White Background



This preview shows how the XYZ color 39.8125, 32.1588, 41.1547 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

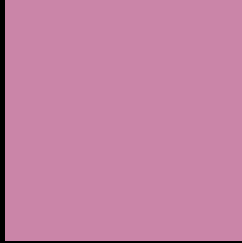
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.8125, 32.1588, 41.1547 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

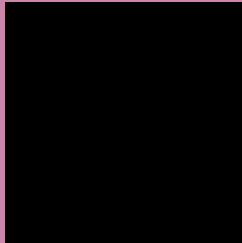
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.8125, 32.1588, 41.1547**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.8125, 32.1588, 41.1547.



This preview shows how white text looks on a background with the XYZ color 39.8125, 32.1588,



# 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

39.8125, 32.1588, 41.1547

### Protanopia

32.1261, 32.5082, 48.2975

### Deuteranopia

33.0077, 32.4218, 40.1157



## Tritanopia

38.0315, 32.2773, 31.8294

# Trichromacy



## Original Color

39.8125, 32.1588, 41.1547

## Protanomaly

34.2638, 32.0172, 45.4483

## Deuteranomaly

35.2163, 32.1647, 40.4287

## Tritanomaly

38.8079, 32.3924, 35.2173

# Monochromacy



## Original Color

39.8125, 32.1588, 41.1547

## Achromatopsia

32.4990, 34.1914, 37.2345

## Achromatomaly

34.7246, 33.1022, 38.7416

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.8125, 32.1588, 41.1547 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, 133, 168)` looks like.

```
.text, #text, p{  
    color:rgb(202, 133, 168)  
}
```

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, 133, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 133, 168) }
```

## Border

The CSS property to change the border of an element to XYZ 39.8125, 32.1588, 41.1547 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, 133, 168) }
```



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

```
.border{ border-color:rgb(202, 133, 168) }
```

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

Here you see how a box with a 4 pixel rgb(202, 133, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 133, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 133, 168);  
box-shadow:4px 4px 4px 4px rgb(202, 133,  
168) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.8125, 32.1588, 41.1547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 133, 168) }
```

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

```
.background{ background-color: rgb(202,  
133, 168) }
```

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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