

# Converting Colors

XYZ(41.3245, 35.0744, 39.3434)

Have a look what the booklet for  
XYZ(41.3245, 35.0744, 39.3434)  
contains.

<b>XYZ(41.3352, 35.1266, 39.2518)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(41.3352, 35.1266,  
39.2518)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CC8FA3
RGB	204, 143, 163
RGB Percent	80%, 56%, 64%
CMY	0.2000, 0.4392, 0.3608
CMYK	0.00, 0.30, 0.20, 0.20
HSL	340°, 37%, 68%
HSV	340°, 30%, 80%
XYZ	41.3352, 35.1266, 39.2518
YIQ	163.5190, 29.9360, 19.1520

# Conversions

## Conversions Part 2

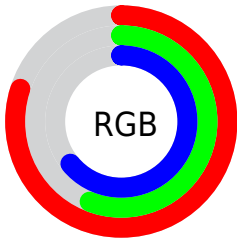
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 143, 163
Decimal	13406115
CIE Lab	65.85, 26.03, -1.23
CIE LCh	66, 26.057, 357.305
Yxy	35.1266, 0.3572, 0.3036
Android (android.graphics.Color)	4291596195 (0xFFCC8FA3)
YUV	163.5190, -0.2559, 35.5018
Hunter-Lab	59.2677, 20.7732, 2.2208

# Details

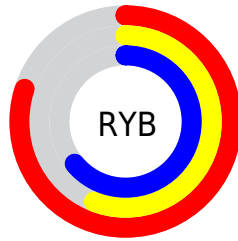
The XYZ color **41.3352, 35.1266, 39.2518** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **41.5738, 52.4871, 53.2899**, and the grayscale version is **35.0503, 36.8756, 40.1575**.

A 20% lighter version of the original color is **73.8611, 66.2545, 75.2252**, and **19.0908, 15.1916, 16.9650** is the 20% darker color. If you saturate the color by 10%, you get **37.3840, 29.0847, 32.1982**, and if you desaturate by 10%, it is **45.9785, 42.3388, 47.1942**.

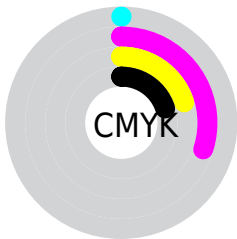
# Distribution



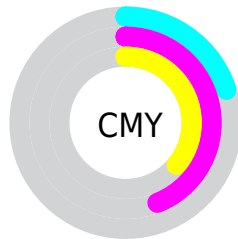
- Red (80%)
- Green (56%)
- Blue (64%)



- Red (80%)
- Yellow (56%)
- Blue (64%)



- Cyan (0%)
- Magenta (30%)
- Yellow (20%)
- Black (20%)




- Cyan (20%)
- Magenta (44%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3352, 35.1266, 39.2518 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 41.3352, 35.1266, 39.2518 by changing the saturation by 10% instead.





 41.3352, 35.1266,  
39.2518


 41.3352, 35.1266,  
39.2518

342.7583,  
325.1268, 358.4177

 28.7699, 23.7604,  
26.6463


 76.4640, 67.6818,  
75.2474

 19.0502, 15.1560,  
17.0777


 99.7582, 89.6397,  
99.4746

 11.8108, 8.9289,  
10.1274


127.3594,  
115.8969, 128.4128

 6.6863, 4.6949,  
5.3768

159.6330,  
146.8378, 162.4806

 3.3113, 2.0694,  
2.4074

196.9444,  
182.8469, 202.0964

 1.3204, 0.6473,  
0.7905

239.6588,

 0.1984, 0.0000,

224.3085, 247.6788

0.0000

288.1417,  
271.6070, 299.6464

■ 0.0000, 0.0000,  
0.0000

■ 41.3352, 35.1266,  
39.2518

■ 41.3352, 35.1266,  
39.2518

■ 37.3840, 29.0847,  
32.1982

■ 45.9785, 42.3388,  
47.1942

■ 34.0874, 24.1460,  
25.9989

■ 51.3429, 50.7738,  
56.0538

■ 31.4091, 20.2444,  
20.6202

■ 57.4594, 60.4870,  
65.8604

■ 29.3073, 17.3043,  
16.0250

■ 64.3560, 71.5288,  
76.6417

■ 27.7353, 15.2397,  
12.1730

■ 72.0595, 83.9469,  
88.4243

■ 26.6380, 13.9494,  
9.0194

■ 77.1856, 90.9669,  
100.0970

■ 25.9178, 13.2473,  
6.5034

■ 78.7121, 91.5775,  
108.1354

■ 25.9115, 13.2413,  
6.4810

# Harmonies

## Analogous

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



40.0076, 35.1266, 50.8711



41.3352, 35.1266, 39.2518



40.4013, 35.1266, 29.3278

# Triad

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



41.3352, 35.1266, 39.2518



30.1068, 35.1266, 22.3405



29.5479, 35.1266, 58.9915

# Complementary

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



41.3352, 35.1266, 39.2518



41.5738, 52.4871, 53.2899

# 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.



27.2351, 35.1266, 48.8126



41.3352, 35.1266, 39.2518



27.5399, 35.1266, 27.9058

# Square

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



41.3352, 35.1266, 39.2518



33.7358, 35.1266, 20.7467



26.5288, 35.1266, 37.2593



33.0401, 35.1266, 63.5544



# Rectangle

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



41.3352, 35.1266, 39.2518



38.6588, 35.1266, 24.6926



26.5288, 35.1266, 37.2593



28.6173, 35.1266, 56.0279

# Sweetspot

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



41.3362, 35.1282, 39.2525



85.7756, 85.2673, 94.0437



40.4103, 34.1555, 61.5901



18.0597, 17.7768, 19.6416



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.



41.3362, 35.1282, 39.2525



64.0313, 51.3889, 57.1687



41.2796, 37.6592, 31.0818



11.3614, 11.2733, 12.4379



16.3473, 8.3495, 4.2817



0.8783, 0.4447, 0.4049



# Inverse Universe

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



41.3362, 35.1282, 39.2525



64.0313, 51.3889, 57.1687



41.4828, 48.7098, 64.3428



11.3614, 11.2733, 12.4379



16.3473, 8.3495, 4.2817



0.8783, 0.4447, 0.4049



# Previews

## White Background



This preview shows how the XYZ color 41.3352, 35.1266, 39.2518 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

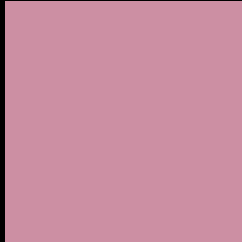
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.3352, 35.1266, 39.2518 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

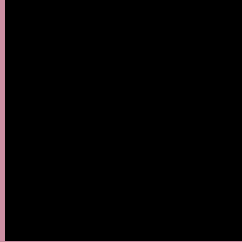
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 41.3352, 35.1266, 39.2518

## Background



This preview shows how black text looks on a background with the XYZ color 41.3352, 35.1266, 39.2518.



This preview shows how white text looks on a background with the XYZ color 41.3352, 35.1266, 39.2518.



# 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

41.3352, 35.1266, 39.2518

### Protanopia

34.4382, 35.2870, 44.5311

### Deuteranopia

35.8336, 35.1299, 38.6103



## Tritanopia

40.5183, 35.0096, 35.6323

# Trichromacy



## Original Color

41.3352, 35.1266, 39.2518

## Protanomaly

36.4572, 34.8771, 42.3466

## Deuteranomaly

37.8379, 35.1810, 38.9787

## Tritanomaly

40.7734, 35.1116, 36.9760

# Monochromacy



## Original Color

41.3352, 35.1266, 39.2518

## Achromatopsia

35.2861, 37.1238, 40.4278

## Achromatomaly

37.1797, 36.0410, 40.1190

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.3352, 35.1266, 39.2518 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(204, 143, 163)` looks like.

```
.text, #text, p{  
    color:rgb(204, 143, 163)  
}
```

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(204, 143, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 143, 163) }
```

## Border

The CSS property to change the border of an element to XYZ 41.3352, 35.1266, 39.2518 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(204, 143, 163) }
```



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

```
.border{ border-color:rgb(204, 143, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 143, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 143, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 143, 163);  
box-shadow:4px 4px 4px 4px rgb(204, 143,  
163) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.3352, 35.1266, 39.2518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 143, 163) }
```

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

```
.background{ background-color: rgb(204,  
143, 163) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor