

# Converting Colors

XYZ(41.2718, 33.3919, 57.0933)

Have a look what the booklet for  
XYZ(41.2718, 33.3919, 57.0933)  
contains.

<b>XYZ(41.2718, 33.3919, 57.0933)</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(41.2718, 33.3919,  
57.0933)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C289C5
RGB	194, 137, 197
RGB Percent	76%, 54%, 77%
CMY	0.2392, 0.4627, 0.2274
CMYK	0.02, 0.30, 0.00, 0.23
HSL	297°, 34%, 65%
HSV	297°, 30%, 77%
XYZ	41.2718, 33.3919, 57.0933
YIQ	160.8830, 14.7120, 30.7440

# Conversions

## Conversions Part 2

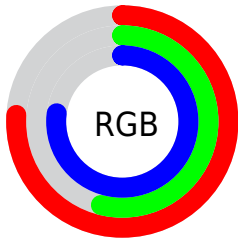
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 137, 197
Decimal	12749253
CIELab	64.48, 31.74, -22.52
CIELCh	64, 38.920, 324.640
Yxy	33.3919, 0.3132, 0.2534
Android (android.graphics.Color)	4290939333 (0xFFC289C5)
YUV	160.8830, 17.8057, 29.0436
Hunter-Lab	57.7857, 26.3635, -18.1295

# Details

The XYZ color **41.2718, 33.3919, 57.0933** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.2980, 47.3149, 30.9409**, and the grayscale version is **33.7381, 35.4951, 38.6542**.

A 20% lighter version of the original color is **76.3039, 64.9266, 102.2764**, and **18.9332, 14.1277, 27.7156** is the 20% darker color. If you saturate the color by 10%, you get **38.4714, 28.1645, 56.2324**, and if you desaturate by 10%, it is **44.5873, 39.6456, 58.1261**.

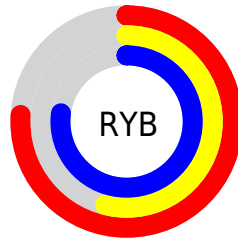
# Distribution



Red (76%)

Green (54%)

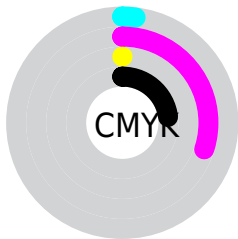
Blue (77%)



Red (76%)

Yellow (54%)

Blue (77%)

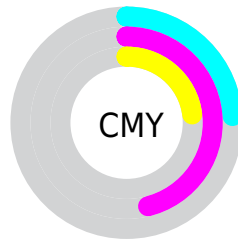


Cyan (2%)

Magenta (30%)

Yellow (0%)

Black (23%)



Cyan (24%)

Magenta (46%)

Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2718, 33.3919, 57.0933 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 41.2718, 33.3919, 57.0933 by changing the saturation by 10% instead.





 41.2718, 33.3919,  
57.0933

 41.2718, 33.3919,  
57.0933

342.4985,  
317.4120, 431.3024


 28.7201, 22.4268,  
40.6703


 76.3684, 64.9869,  
102.1030

 19.0124, 14.1709,  
27.7438


 99.6441, 86.3856,  
131.5268

 11.7833, 8.2396,  
17.8953


 127.2251,  
112.0310, 166.1212

 6.6675, 4.2486,  
10.7062

159.4769,  
142.3075, 206.3049

 3.2995, 1.8136,  
5.7579

196.7648,  
177.5994, 252.4963

 1.3140, 0.4956,  
2.6321

239.4541,

 0.1937, 0.0000,

218.2912, 305.1139

0.9089

287.9103,  
264.7673, 364.5765

■ 0.0000, 0.0000,  
0.0000

■ 41.2718, 33.3919,  
57.0933

■ 41.2718, 33.3919,  
57.0933

■ 38.4714, 28.1645,  
56.2324

■ 44.5873, 39.6456,  
58.1261

■ 36.1550, 23.9033,  
55.5320

■ 48.4404, 46.9728,  
59.3373

■ 34.2932, 20.5488,  
54.9826


■ 52.8561, 55.4228,  
60.7356


■ 32.8520, 18.0331,  
54.5730


■ 57.8572, 65.0408,  
62.3285


■ 31.7927, 16.2785,  
54.2902


■ 63.4648, 75.8694,  
64.1231


 31.0693, 15.1934,  
54.1189

 69.6337, 87.8183,  
66.1043

 30.6087, 14.6151,  
54.0315

 69.8975, 87.9543,  
66.1167

 70.1630, 88.0912,  
66.1291

 70.4301, 88.2289,  
66.1416

# Harmonies

## Analogous

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



36.4035, 33.3919, 71.8600



41.2718, 33.3919, 57.0933



43.6066, 33.3919, 39.2915

# Triad

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



41.2718, 33.3919, 57.0933



32.7464, 33.3919, 13.6118



22.9844, 33.3919, 50.6637

# Complementary

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



41.2718, 33.3919, 57.0933



35.2980, 47.3149, 30.9409

# 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.



22.2457, 33.3919, 33.5745



41.2718, 33.3919, 57.0933



27.4892, 33.3919, 15.0365

# Square

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



41.2718, 33.3919, 57.0933



38.3304, 33.3919, 16.6793



23.7986, 33.3919, 21.3711



25.9484, 33.3919, 67.4524



# Rectangle

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



41.2718, 33.3919, 57.0933



43.2367, 33.3919, 29.1605



23.7986, 33.3919, 21.3711



22.4834, 33.3919, 44.6522

# Sweetspot

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



41.2729, 33.3934, 57.0940



87.7398, 86.0044, 106.5839



29.7741, 28.1075, 56.6798



18.5442, 17.9585, 22.7389



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.



41.2729, 33.3934, 57.0940



70.2596, 52.9639, 101.1277



39.2284, 32.6654, 42.2689



11.0287, 10.7886, 13.4186



20.1541, 9.6241, 35.5398



0.9708, 0.4642, 1.6836



# Inverse Universe

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



36.7064, 31.6566, 28.9883



60.7488, 49.3576, 42.0980



36.9848, 47.9320, 42.4258



10.6550, 10.6454, 11.1665



15.1899, 7.8255, 0.9442



0.7269, 0.3736, 0.0851



# Previews

## White Background



This preview shows how the XYZ color 41.2718, 33.3919, 57.0933 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

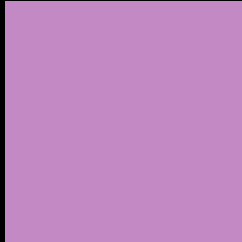
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.2718, 33.3919, 57.0933 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

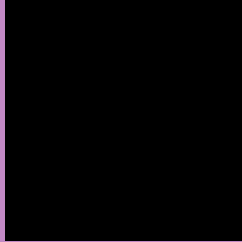
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 41.2718, 33.3919, 57.0933**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.2718, 33.3919, 57.0933.



This preview shows how white text looks on a background with the XYZ color 41.2718, 33.3919,



# 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

41.2718, 33.3919, 57.0933

### Protanopia

34.3387, 33.7586, 65.6790

### Deuteranopia

34.2657, 33.4498, 55.6894



## Tritanopia

36.8652, 33.3425, 35.9452

# Trichromacy



## Original Color

41.2718, 33.3919, 57.0933

## Protanomaly

36.1066, 33.0612, 62.2360

## Deuteranomaly

36.4325, 33.1324, 56.1048

## Tritanomaly

38.2589, 33.2334, 42.9263

# Monochromacy



## Original Color

41.2718, 33.3919, 57.0933

## Achromatopsia

33.8758, 35.6400, 38.8120

## Achromatomaly

36.1018, 34.3967, 44.7809

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.2718, 33.3919, 57.0933 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(194, 137, 197)` looks like.

```
.text, #text, p{  
    color:rgb(194, 137, 197)  
}
```

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(194, 137, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 137, 197) }
```

## Border

The CSS property to change the border of an element to XYZ 41.2718, 33.3919, 57.0933 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(194, 137, 197) }
```



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

```
.border{ border-color:rgb(194, 137, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 137, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 137, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 137, 197);  
box-shadow:4px 4px 4px 4px rgb(194, 137,  
197) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.2718, 33.3919, 57.0933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 137, 197) }
```

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

```
.background{ background-color: rgb(194,  
137, 197) }
```

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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