

# Converting Colors

XYZ(41.8159, 34.7333, 35.4813)

Have a look what the booklet for  
XYZ(41.8159, 34.7333, 35.4813)  
contains.

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# Color

**XYZ(41.8728, 34.8244,  
35.5252)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D28C9B
RGB	210, 140, 155
RGB Percent	82%, 55%, 61%
CMY	0.1765, 0.4510, 0.3922
CMYK	0.00, 0.33, 0.26, 0.18
HSL	347°, 44%, 69%
HSV	347°, 33%, 82%
XYZ	41.8728, 34.8244, 35.5252
YIQ	162.6400, 36.9050, 19.5050

# Conversions

## Conversions Part 2

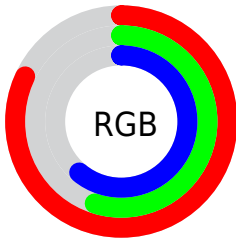
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	210, 140, 155
Decimal	13798555
CIE Lab	65.61, 28.68, 3.02
CIE LCh	66, 28.838, 6.020
Yxy	34.8244, 0.3731, 0.3103
Android (android.graphics.Color)	4291988635 (0xFFD28C9B)
YUV	162.6400, -3.7665, 41.5347
Hunter-Lab	59.0122, 23.3854, 5.6161

# Details

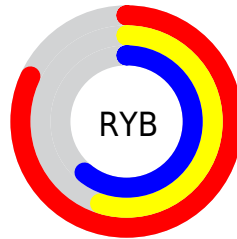
The XYZ color **41.8728, 34.8244, 35.5252** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **43.7136, 55.6095, 60.0623**, and the grayscale version is **34.6490, 36.4534, 39.6978**.

A 20% lighter version of the original color is **72.0404, 64.4470, 68.9642**, and **19.3975, 15.0143, 14.9724** is the 20% darker color. If you saturate the color by 10%, you get **37.7996, 28.7461, 27.7913**, and if you desaturate by 10%, it is **46.7229, 42.1528, 44.4532**.

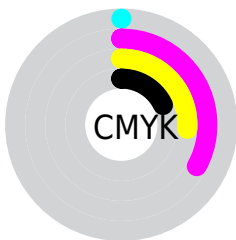
# Distribution



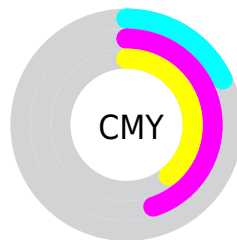
- Red (82%)
- Green (55%)
- Blue (61%)



- Red (82%)
- Yellow (55%)
- Blue (61%)



- Cyan (0%)
- Magenta (33%)
- Yellow (26%)
- Black (18%)




- Cyan (18%)
- Magenta (45%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8728, 34.8244, 35.5252 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 41.8728, 34.8244, 35.5252 by changing the saturation by 10% instead.





 41.8728, 34.8244,  
35.5252


 41.8728, 34.8244,  
35.5252


344.9560,  
323.7926, 341.8549


 29.1924, 23.5276,  
23.7809


 77.2734, 67.2136,  
69.4594

 19.3714, 14.9836,  
14.9605


 100.7244, 89.0749,  
92.4863

 12.0446, 8.8079,  
8.6454


 128.4962,  
115.2265, 120.1113

 6.8464, 4.6161,  
4.4170

160.9543,  
146.0527, 152.7528

 3.4117, 2.0238,  
1.8568

198.4639,  
181.9381, 190.8294

 1.3750, 0.6213,  
0.4650

241.3905,

 0.2383, 0.0000,

223.2669, 234.7596

0.0000

290.0994,  
270.4236, 284.9619

■ 0.0000, 0.0000,  
0.0000

■ 41.8728, 34.8244,  
35.5252

■ 41.8728, 34.8244,  
35.5252

■ 37.7996, 28.7461,  
27.7913

■ 46.7229, 42.1528,  
44.4532

■ 34.4594, 23.8432,  
21.1980

■ 52.3849, 50.7908,  
54.6213

■ 31.8081, 20.0404,  
15.6909

■ 58.8953, 60.8001,  
66.0757

■ 29.7959, 17.2518,  
11.2100

■ 66.2874, 72.2367,  
78.8596

■ 28.3655, 15.3784,  
7.6893

■ 74.5926, 85.1540,  
93.0140

■ 27.4492, 14.3014,  
5.0544

■ 80.2289, 92.3779,  
107.3742

■ 27.0518, 13.8910,  
3.7370

■ 80.3884, 92.4417,  
108.2138

# Harmonies

## Analogous

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



41.1081, 34.8244, 48.2039



41.8728, 34.8244, 35.5252



40.1297, 34.8244, 25.7942

# Triad

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



41.8728, 34.8244, 35.5252



28.5396, 34.8244, 22.0148



29.9002, 34.8244, 63.4562

# Complementary

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



41.8728, 34.8244, 35.5252



43.7136, 55.6095, 60.0623

# 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.



26.9425, 34.8244, 53.3460



41.8728, 34.8244, 35.5252



26.2051, 34.8244, 29.2102

# Square

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



41.8728, 34.8244, 35.5252



32.2532, 34.8244, 19.1377



25.6462, 34.8244, 40.4156



33.9606, 34.8244, 66.1486



# Rectangle

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



41.8728, 34.8244, 35.5252



37.8608, 34.8244, 21.6853



25.6462, 34.8244, 40.4156



28.7552, 34.8244, 60.7211

# Sweetspot

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



41.8738, 34.8260, 35.5259



84.3879, 83.5717, 90.2525



43.4747, 34.9910, 65.4354



17.7654, 17.4319, 18.7925



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.



41.8738, 34.8260, 35.5259



60.3546, 47.1318, 46.3977



43.8550, 40.6805, 30.3538



11.9109, 11.8491, 12.8067



16.5317, 8.4855, 2.4401



0.9544, 0.4865, 0.2946



# Inverse Universe

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



41.8738, 34.8260, 35.5259



60.3546, 47.1318, 46.3977



40.8990, 47.1290, 67.9141



11.9109, 11.8491, 12.8067



16.5317, 8.4855, 2.4401

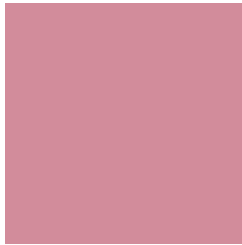


0.9544, 0.4865, 0.2946



# Previews

## White Background



This preview shows how the XYZ color 41.8728, 34.8244, 35.5252 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

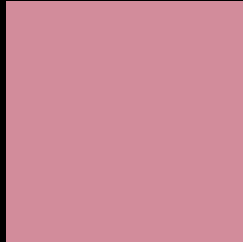
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.8728, 34.8244, 35.5252 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

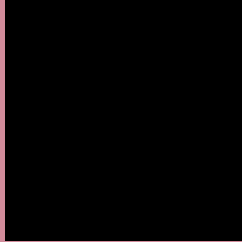
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 41.8728, 34.8244, 35.5252**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.8728, 34.8244, 35.5252.



This preview shows how white text looks on a background with the XYZ color 41.8728, 34.8244,



# 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

41.8728, 34.8244, 35.5252

### Protanopia

33.9790, 35.1265, 41.0656

### Deuteranopia

35.5832, 34.8432, 34.5557



## Tritanopia

41.6891, 34.9858, 33.8338

# Trichromacy



## Original Color

41.8728, 34.8244, 35.5252

## Protanomaly

36.3402, 34.6488, 38.9550

## Deuteranomaly

37.7324, 34.7419, 34.8541

## Tritanomaly

41.7707, 35.0184, 34.2634

# Monochromacy



## Original Color

41.8728, 34.8244, 35.5252

## Achromatopsia

34.8123, 36.6253, 39.8849

## Achromatomaly

36.8889, 35.6841, 38.2012

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.8728, 34.8244, 35.5252 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(210, 140, 155)` looks like.

```
.text, #text, p{  
    color:rgb(210, 140, 155)  
}
```

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(210, 140, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 140, 155) }
```

## Border

The CSS property to change the border of an element to XYZ 41.8728, 34.8244, 35.5252 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(210, 140, 155) }
```



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

```
.border{ border-color:rgb(210, 140, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 140, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 140, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 140, 155);  
box-shadow:4px 4px 4px 4px rgb(210, 140,  
155) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.8728, 34.8244, 35.5252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 140, 155) }
```

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

```
.background{ background-color: rgb(210,  
140, 155) }
```

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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