

# Converting Colors

XYZ(42.2425, 34.0219, 40.8794)

Have a look what the booklet for  
XYZ(42.2425, 34.0219, 40.8794)  
contains.

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# Color

**XYZ(42.3576, 34.1000,  
40.9087)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D288A7
RGB	210, 136, 167
RGB Percent	82%, 53%, 65%
CMY	0.1765, 0.4666, 0.3451
CMYK	0.00, 0.35, 0.20, 0.18
HSL	335°, 45%, 68%
HSV	335°, 35%, 82%
XYZ	42.3576, 34.1000, 40.9087
YIQ	161.6600, 34.1530, 25.3290

# Conversions

## Conversions Part 2

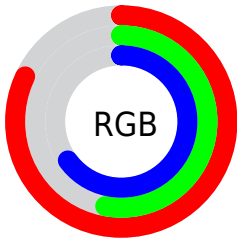
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	210, 136, 167
Decimal	13797543
CIE <sub>Lab</sub>	65.04, 32.60, -4.59
CIE <sub>LCh</sub>	65, 32.919, 351.987
Yxy	34.1000, 0.3609, 0.2905
Android (android.graphics.Color)	4291987623 (0xFFD288A7)
YUV	161.6600, 2.6326, 42.3942
Hunter-Lab	58.3952, 27.2853, -0.6589

# Details

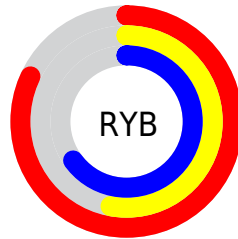
The XYZ color **42.3576, 34.1000, 40.9087** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.3382, 54.5831, 51.0073**, and the grayscale version is **34.1615, 35.9405, 39.1392**.

A 20% lighter version of the original color is **72.8383, 63.3608, 77.4981**, and **19.6694, 14.6048, 18.0020** is the 20% darker color. If you saturate the color by 10%, you get **38.6093, 28.3242, 34.3534**, and if you desaturate by 10%, it is **46.7938, 41.0804, 48.2193**.

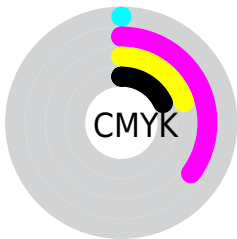
# Distribution



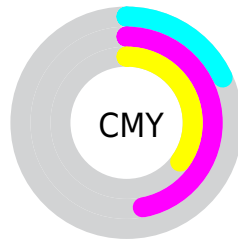
- Red (82%)
- Green (53%)
- Blue (65%)



- Red (82%)
- Yellow (53%)
- Blue (65%)



- Cyan (0%)
- Magenta (35%)
- Yellow (20%)
- Black (18%)




- Cyan (18%)
- Magenta (47%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3576, 34.1000, 40.9087 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 42.3576, 34.1000, 40.9087 by changing the saturation by 10% instead.




 42.3576, 34.1000,  
40.9087


 42.3576, 34.1000,  
40.9087

346.9297,  
320.5777, 365.6042


 29.5737, 22.9704,  
27.9286


 78.0023, 66.0891,  
77.7974

 19.6617, 14.5717,  
18.0333


 101.5939, 87.7175,  
102.5432

 12.2562, 8.5193,  
10.8042


 129.5187,  
113.6143, 132.0478

 6.9919, 4.4290,  
5.8228

162.1422,  
144.1638, 166.7300

 3.5033, 1.9163,  
2.6706

199.8297,  
179.7505, 207.0081

 1.4252, 0.5582,  
0.9286

242.9465,

 0.2740, 0.0000,

220.7588, 253.3009

0.0000

291.8581,  
267.5731, 306.0267

■ 0.0000, 0.0000,  
0.0000

■ 42.3576, 34.1000,  
40.9087

■ 42.3576, 34.1000,  
40.9087

■ 38.6093, 28.3242,  
34.3534

■ 46.7938, 41.0804,  
48.2193

■ 35.5089, 23.6789,  
28.5246

■ 51.9489, 49.3243,  
56.3084

■ 33.0170, 20.0897,  
23.3943


■ 57.8557, 58.8921,  
65.2006


■ 31.0879, 17.4706,  
18.9316


■ 64.5439, 69.8393,  
74.9187


■ 29.6693, 15.7222,  
15.1022


■ 72.0416, 82.2181,  
85.4846

 28.6977, 14.7231,  
11.8674

 78.0997, 91.5262,  
96.1607

 28.3386, 14.4058,  
10.5122

 79.9767, 92.2770,  
106.0450

 80.3885, 92.4417,  
108.2139

# Harmonies

## Analogous

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



40.1795, 34.1000, 55.7483



42.3576, 34.1000, 40.9087



41.6717, 34.1000, 28.1453

# Triad

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



42.3576, 34.1000, 40.9087



29.1001, 34.1000, 17.7244



27.0892, 34.1000, 61.8796

# Complementary

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



42.3576, 34.1000, 40.9087



41.3382, 54.5831, 51.0073

# 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.



24.6353, 34.1000, 47.8461



42.3576, 34.1000, 40.9087



25.7145, 34.1000, 23.1995

# Square

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



42.3576, 34.1000, 40.9087



33.7052, 34.1000, 16.7341



24.1579, 34.1000, 33.5898



31.1504, 34.1000, 69.6487



# Rectangle

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



42.3576, 34.1000, 40.9087



39.7101, 34.1000, 22.1955



24.1579, 34.1000, 33.5898



26.0661, 34.1000, 57.5961

# Sweetspot

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



42.3586, 34.1016, 40.9094



84.2311, 82.3851, 92.8914



38.7833, 31.7204, 65.0518



17.7655, 17.2079, 19.4836



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.



42.3586, 34.1016, 40.9094



61.4134, 46.2481, 56.0033



40.5386, 34.5110, 27.8192



12.0112, 11.8892, 13.3349



17.3337, 8.8063, 6.6634



1.0084, 0.5081, 0.5790



# Inverse Universe

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



42.3586, 34.1016, 40.9094



61.4134, 46.2481, 56.0033



43.6347, 53.5829, 69.0160



12.0112, 11.8892, 13.3349



17.3337, 8.8063, 6.6634

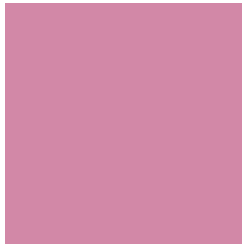


1.0084, 0.5081, 0.5790



# Previews

## White Background



This preview shows how the XYZ color 42.3576, 34.1000, 40.9087 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

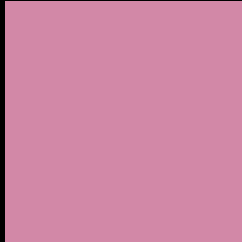
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.3576, 34.1000, 40.9087 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 42.3576, 34.1000, 40.9087**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.3576, 34.1000, 40.9087.



This preview shows how white text looks on a background with the XYZ color 42.3576, 34.1000,



# 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

42.3576, 34.1000, 40.9087

### Protanopia

33.8128, 34.3778, 48.0335

### Deuteranopia

34.8867, 34.1207, 39.8692



## Tritanopia

40.7501, 34.0771, 33.2839

# Trichromacy



## Original Color

42.3576, 34.1000, 40.9087

## Protanomaly

36.1645, 33.7040, 45.1569

## Deuteranomaly

37.2328, 33.8983, 40.1780

## Tritanomaly

41.3837, 34.1326, 35.8596

# Monochromacy



## Original Color

42.3576, 34.1000, 40.9087

## Achromatopsia

34.3422, 36.1307, 39.3463

## Achromatomaly

36.6825, 35.0465, 39.9532

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.3576, 34.1000, 40.9087 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, 136, 167)` looks like.

```
.text, #text, p{  
    color:rgb(210, 136, 167)  
}
```

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, 136, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 136, 167) }
```

## Border

The CSS property to change the border of an element to XYZ 42.3576, 34.1000, 40.9087 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, 136, 167) }
```



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

```
.border{ border-color:rgb(210, 136, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 136, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 136, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 136, 167);  
box-shadow:4px 4px 4px 4px rgb(210, 136,  
167) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.3576, 34.1000, 40.9087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 136, 167) }
```

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

```
.background{ background-color: rgb(210,  
136, 167) }
```

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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