

Converting Colors

XYZ(40.7421, 32.8017, 38.7333)

Have a look what the booklet for
XYZ(40.7421, 32.8017, 38.7333)
contains.

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Color

**XYZ(40.8681, 32.9599,
38.8583)**

Conversions

Conversions Part 1

Format	Color
Hex	CF86A3
RGB	207, 134, 163
RGB Percent	81%, 53%, 64%
CMY	0.1882, 0.4745, 0.3608
CMYK	0.00, 0.35, 0.21, 0.19
HSL	336°, 43%, 67%
HSV	336°, 35%, 81%
XYZ	40.8681, 32.9599, 38.8583
YIQ	159.1330, 34.1990, 24.4950

Conversions

Conversions Part 2

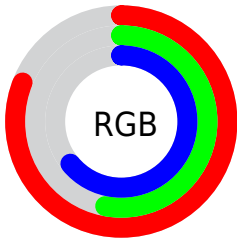
Format	Color
R _Y B	207, 134, 163
Decimal	13600419
CIE Lab	64.13, 32.00, -3.71
CIE LCh	64, 32.219, 353.386
Yxy	32.9599, 0.3627, 0.2925
Android (android.graphics.Color)	4291790499 (0xFFCF86A3)
YUV	159.1330, 1.9064, 41.9794
Hunter-Lab	57.4107, 26.5974, 0.0572

Details

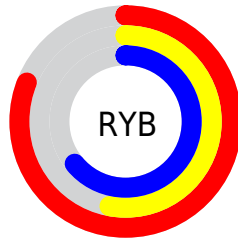
The XYZ color **40.8681, 32.9599, 38.8583** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **40.1816, 52.9092, 50.2166**, and the grayscale version is **32.9969, 34.7153, 37.8049**.

A 20% lighter version of the original color is **71.8781, 62.2884, 74.5641**, and **18.7250, 13.9135, 16.7376** is the 20% darker color. If you saturate the color by 10%, you get **37.2188, 27.3628, 32.3956**, and if you desaturate by 10%, it is **45.1896, 39.7241, 46.0900**.

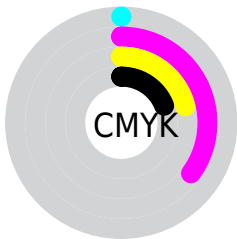
Distribution



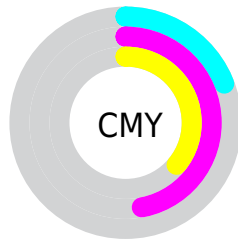
- Red (81%)
- Green (53%)
- Blue (64%)



- Red (81%)
- Yellow (53%)
- Blue (64%)



- Cyan (0%)
- Magenta (35%)
- Yellow (21%)
- Black (19%)





- Cyan (19%)
- Magenta (47%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8681, 32.9599, 38.8583 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 40.8681, 32.9599, 38.8583 by changing the saturation by 10% instead.


 40.8681, 32.9599,
38.8583


 40.8681, 32.9599,
38.8583


340.8411,
315.4690, 356.6956


 28.4033, 22.0957,
26.3425


 75.7596, 64.3129,
74.6398

 18.7719, 13.9273,
16.8520


 98.9170, 85.5706,
98.7425

 11.6086, 8.0701,
9.9682


 126.3692,
111.0615, 127.5447

 6.5480, 4.1398,
5.2725

158.4817,
141.1701, 161.4648

 3.2249, 1.7521,
2.3465

195.6197,
176.2807, 200.9214

 1.2738, 0.4570,
0.7571

238.1488,

 0.1635, 0.0000,

216.7778, 246.3331

0.0000

286.4341,
263.0458, 298.1183

■ 0.0000, 0.0000,
0.0000

■ 40.8681, 32.9599,
38.8583

■ 40.8681, 32.9599,
38.8583

■ 37.2188, 27.3628,
32.3956

■ 45.1896, 39.7241,
46.0900

■ 34.2029, 22.8613,
26.6723

■ 50.2136, 47.7123,
54.1148

■ 31.7816, 19.3832,
21.6594

■ 55.9720, 56.9832,
62.9582

■ 29.9109, 16.8454,
17.3248

■ 62.4939, 67.5904,
72.6438

■ 28.5395, 15.1518,
13.6334

■ 69.8066, 79.5843,
83.1941

■ 27.6058, 14.1852,
10.5452

■ 76.9051, 90.9506,
94.2871

■ 27.2639, 13.8781,
9.2697

■ 78.8014, 91.7091,
104.2729

■ 79.5423, 92.0055,
108.1743

Harmonies

Analogous

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



38.9046, 32.9599, 53.0427



40.8681, 32.9599, 38.8583



40.0830, 32.9599, 26.8158

Triad

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



40.8681, 32.9599, 38.8583



27.9748, 32.9599, 17.4229



26.3840, 32.9599, 60.0495

Complementary

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



40.8681, 32.9599, 38.8583



40.1816, 52.9092, 50.2166

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.



23.9498, 32.9599, 46.8047



40.8681, 32.9599, 38.8583



24.8041, 32.9599, 22.8988

Square

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



40.8681, 32.9599, 38.8583



32.3482, 32.9599, 16.2782



23.4007, 32.9599, 33.0725



30.3283, 32.9599, 67.0531

Rectangle

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



40.8681, 32.9599, 38.8583



38.1406, 32.9599, 21.2560



23.4007, 32.9599, 33.0725



25.3781, 32.9599, 56.0452

Sweetspot

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



40.8690, 32.9614, 38.8590



84.1416, 82.3493, 92.4203



38.1031, 30.9982, 63.0069



17.7442, 17.1994, 19.3716



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.



40.8690, 32.9614, 38.8590



61.1570, 46.1456, 54.6532



39.6056, 34.1266, 27.0557



12.0005, 11.8849, 13.2783



17.2211, 8.7613, 6.0706



1.0016, 0.5053, 0.5431

Inverse Universe

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



40.8690, 32.9614, 38.8590



61.1570, 46.1456, 54.6532



41.6800, 50.7440, 66.6297



12.0005, 11.8849, 13.2783



17.2211, 8.7613, 6.0706



1.0016, 0.5053, 0.5431

Previews

White Background



This preview shows how the XYZ color 40.8681, 32.9599, 38.8583 looks on a white background.

Color Contrast Check

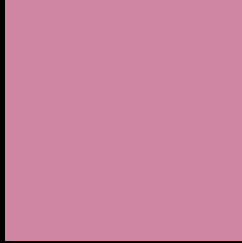
Large Text (above 18pt) WCAG AA × Fail

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 40.8681, 32.9599, 38.8583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

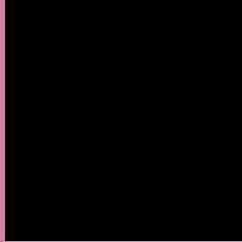
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.8681, 32.9599, 38.8583

Background



This preview shows how black text looks on a background with the XYZ color 40.8681, 32.9599, 38.8583.



This preview shows how white text looks on a background with the XYZ color 40.8681, 32.9599,

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

40.8681, 32.9599, 38.8583

Protanopia

32.6947, 33.3496, 45.7882

Deuteranopia

33.7740, 33.1063, 37.8678



Tritanopia

39.3890, 32.9770, 31.8929

Trichromacy



Original Color

40.8681, 32.9599, 38.8583

Protanomaly

35.0180, 32.6919, 42.9926

Deuteranomaly

36.0869, 32.8913, 38.1649

Tritanomaly

40.0075, 33.0300, 34.4038

Monochromacy



Original Color

40.8681, 32.9599, 38.8583

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

35.1560, 33.5809, 37.8865

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8681, 32.9599, 38.8583 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(207, 134, 163)` looks like.

```
.text, #text, p{  
    color:rgb(207, 134, 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(207, 134, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 134, 163) }
```

Border

The CSS property to change the border of an element to XYZ 40.8681, 32.9599, 38.8583 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(207, 134, 163) }
```


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

```
.border{ border-color:rgb(207, 134, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 134, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 134, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 134, 163);  
box-shadow:4px 4px 4px 4px rgb(207, 134,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8681, 32.9599, 38.8583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 134, 163) }
```

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

```
.background{ background-color: rgb(207,  
134, 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](#).

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