

Converting Colors

XYZ(40.2376, 34.7871, 52.5671)

Have a look what the booklet for
XYZ(40.2376, 34.7871, 52.5671)
contains.

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Color

**XYZ(40.2970, 34.7437,
52.7264)**

Conversions

Conversions Part 1

Format	Color
Hex	BD91BD
RGB	189, 145, 189
RGB Percent	74%, 57%, 74%
CMY	0.2588, 0.4314, 0.2588
CMYK	0.00, 0.23, 0.00, 0.26
HSL	300°, 25%, 65%
HSV	300°, 23%, 74%
XYZ	40.2970, 34.7437, 52.7264
YIQ	163.1720, 12.1000, 23.0120

Conversions

Conversions Part 2

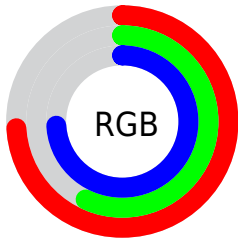
Format	Color
RYB	189, 145, 189
Decimal	12423613
CIELab	65.55, 24.12, -16.45
CIELCh	66, 29.195, 325.695
Yxy	34.7437, 0.3154, 0.2719
Android (android.graphics.Color)	4290613693 (0xFFBD91BD)
YUV	163.1720, 12.7332, 22.6512
Hunter-Lab	58.9438, 18.8801, -11.7754

Details

The XYZ color **40.2970, 34.7437, 52.7264** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **34.9869, 44.4604, 33.5277**, and the grayscale version is **34.8326, 36.6466, 39.9081**.

A 20% lighter version of the original color is **74.9109, 67.0323, 95.3765**, and **18.4383, 14.9339, 25.2033** is the 20% darker color. If you saturate the color by 10%, you get **37.6462, 29.4415, 51.8430**, and if you desaturate by 10%, it is **43.4304, 41.0098, 53.7714**.

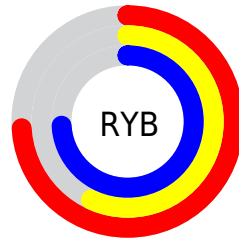
Distribution



Red (74%)

Green (57%)

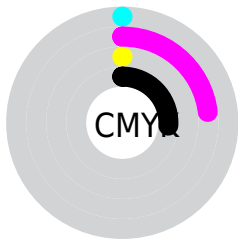
Blue (74%)



Red (74%)

Yellow (57%)

Blue (74%)

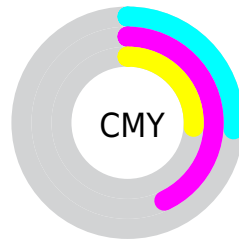


Cyan (0%)

Magenta (23%)

Yellow (0%)

Black (26%)



Cyan (26%)


Magenta (43%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.2970, 34.7437, 52.7264 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 40.2970, 34.7437, 52.7264 by changing the saturation by 10% instead.


 40.2970, 34.7437,
52.7264


 40.2970, 34.7437,
52.7264

338.4868,
323.4356, 414.2710

 27.9554, 23.4655,
37.1982


 74.8970, 67.0885,
95.6391

 18.4323, 14.9376,
25.0640


 97.8862, 88.9240,
123.8607

 11.3624, 8.7756,
15.9053


125.1553,
115.0473, 157.1504

 6.3802, 4.5951,
9.3035

157.0696,
145.8428, 195.9269

 3.1205, 2.0117,
4.8402

193.9946,
181.6950, 240.6087

 1.2178, 0.6143,
2.0967

236.2955,

 0.1203, 0.0000,

222.9883, 291.6143

0.6138

284.3378,
270.1070, 349.3622

■ 0.0000, 0.0000,
0.0000

■ 40.2970, 34.7437,
52.7264

■ 40.2970, 34.7437,
52.7264

■ 37.6462, 29.4415,
51.8430

■ 43.4304, 41.0098,
53.7714

■ 35.4509, 25.0511,
51.1111

■ 47.0653, 48.2795,
54.9832

■ 33.6866, 21.5225,
50.5228

■ 51.2234, 56.5957,
56.3694

■ 32.3249, 18.7992,
50.0688

■ 55.9244, 65.9976,
57.9366

■ 31.3341, 16.8176,
49.7383

■ 61.1867, 76.5223,
59.6908

■ 30.6777, 15.5049,
49.5194

■ 65.9322, 86.0133,
61.2728

■ 30.3120, 14.7734,
49.3973

■ 65.9323, 86.0133,
61.2730

■ 30.1718, 14.4931,
49.3505

■ 65.9323, 86.0133,
61.2732

■ 65.9323, 86.0133,
61.2734

Harmonies

Analogous

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



36.7206, 34.7437, 63.2865



40.2970, 34.7437, 52.7264



41.9264, 34.7437, 39.6266

Triad

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



40.2970, 34.7437, 52.7264



33.6443, 34.7437, 18.8607



26.1492, 34.7437, 48.9952

Complementary

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



40.2970, 34.7437, 52.7264



34.9869, 44.4604, 33.5277

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.



25.4784, 34.7437, 36.0886



40.2970, 34.7437, 52.7264



29.5820, 34.7437, 20.3202

Square

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



40.2970, 34.7437, 52.7264



37.8808, 34.7437, 21.5116



26.6814, 34.7437, 26.0422



28.5990, 34.7437, 60.8264

Rectangle

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



40.2970, 34.7437, 52.7264



41.5948, 34.7437, 31.8064



26.6814, 34.7437, 26.0422



25.7177, 34.7437, 44.5698

Sweetspot

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



40.2981, 34.7452, 52.7271



81.6884, 81.2590, 97.6051



30.9893, 29.9463, 52.2919



17.4820, 17.3049, 20.9613



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.2981, 34.7452, 52.7271



69.6128, 57.1080, 93.5793



38.0880, 33.8612, 41.0890



9.9300, 9.6963, 12.0204



20.3002, 9.7512, 33.2040



0.7952, 0.3820, 1.3006

Inverse Universe

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



40.2981, 34.7452, 52.7271



69.6128, 57.1080, 93.5793



36.8510, 45.2061, 43.3440



9.9300, 9.6963, 12.0204



20.3002, 9.7512, 33.2040



0.7952, 0.3820, 1.3006

Previews

White Background



This preview shows how the XYZ color 40.2970, 34.7437, 52.7264 looks on a white background.

Color Contrast Check

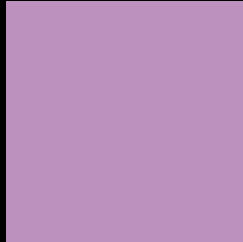
Large Text (above 18pt) WCAG AA × Fail

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 40.2970, 34.7437, 52.7264 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 40.2970, 34.7437, 52.7264

Background



This preview shows how black text looks on a background with the XYZ color 40.2970, 34.7437, 52.7264.



This preview shows how white text looks on a background with the XYZ color 40.2970, 34.7437,

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

40.2970, 34.7437, 52.7264

Protanopia

34.9976, 35.0150, 58.3401

Deuteranopia

35.7584, 35.0462, 51.8936



Tritanopia

37.4355, 34.7356, 38.9140

Trichromacy



Original Color

40.2970, 34.7437, 52.7264

Protanomaly

36.5514, 34.6151, 56.3847

Deuteranomaly

37.3186, 34.8580, 52.3383

Tritanomaly

38.2860, 34.5975, 43.6898

Monochromacy



Original Color

40.2970, 34.7437, 52.7264

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

36.3481, 35.5261, 43.9712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2970, 34.7437, 52.7264 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(189, 145, 189)` looks like.

```
.text, #text, p{  
    color:rgb(189, 145, 189)  
}
```

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(189, 145, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 145, 189) }
```

Border

The CSS property to change the border of an element to XYZ 40.2970, 34.7437, 52.7264 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(189, 145, 189) }
```


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

```
.border{ border-color:rgb(189, 145, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 145, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 145, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 145, 189);  
box-shadow:4px 4px 4px 4px rgb(189, 145,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2970, 34.7437, 52.7264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 145, 189) }
```

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

```
.background{ background-color: rgb(189,  
145, 189) }
```

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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