

Converting Colors

XYZ(42.2149, 37.5878, 54.4650)

Have a look what the booklet for
XYZ(42.2149, 37.5878, 54.4650)
contains.

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Color

**XYZ(42.2811, 37.6204,
54.3232)**

Conversions

Conversions Part 1

Format	Color
Hex	BF99BF
RGB	191, 153, 191
RGB Percent	75%, 60%, 75%
CMY	0.2510, 0.4000, 0.2510
CMYK	0.00, 0.20, 0.00, 0.25
HSL	300°, 23%, 67%
HSV	300°, 20%, 75%
XYZ	42.2811, 37.6204, 54.3232
YIQ	168.6940, 10.4500, 19.8740

Conversions

Conversions Part 2

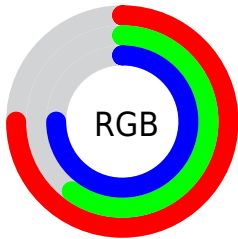
Format	Color
RYB	191, 153, 191
Decimal	12556735
CIELab	67.74, 20.74, -14.25
CIELCh	68, 25.160, 325.513
Yxy	37.6204, 0.3150, 0.2803
Android (android.graphics.Color)	4290746815 (0xFFBF99BF)
YUV	168.6940, 10.9969, 19.5624
Hunter-Lab	61.3355, 15.7104, -9.5768

Details

The XYZ color **42.2811, 37.6204, 54.3232** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **37.5190, 46.3351, 37.1052**, and the grayscale version is **37.5057, 39.4589, 42.9708**.

A 20% lighter version of the original color is **78.0558, 71.7836, 97.7373**, and **19.6553, 16.6561, 26.2238** is the 20% darker color. If you saturate the color by 10%, you get **39.4021, 31.8619, 53.3638**, and if you desaturate by 10%, it is **45.6627, 44.3830, 55.4510**.

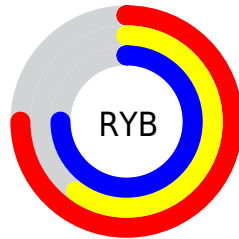
Distribution



Red (75%)

Green (60%)

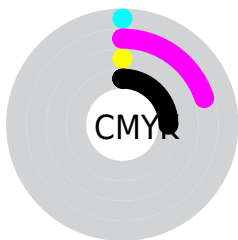
Blue (75%)



Red (75%)

Yellow (60%)

Blue (75%)

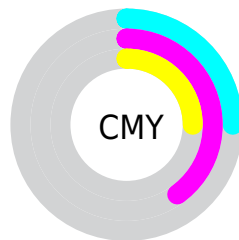


Cyan (0%)

Magenta (20%)

Yellow (0%)

Black (25%)



Cyan (25%)


Magenta (40%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2811, 37.6204, 54.3232 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 42.2811, 37.6204, 54.3232 by changing the saturation by 10% instead.


 42.2811, 37.6204,
54.3232


 42.2811, 37.6204,
54.3232


346.6187,
335.9888, 420.5507

 29.5135, 25.6882,
38.4652


 77.8874, 71.5259,
98.0098

 19.6159, 16.5905,
26.0393


 101.4568, 94.2681,
126.6755

 12.2228, 9.9430,
16.6270


129.3576,
121.3823, 160.4475

 6.9689, 5.3612,
9.8098

161.9550,
153.2530, 199.7443

 3.4888, 2.4607,
5.1691

199.6145,
190.2646, 244.9844

 1.4172, 0.8569,
2.2863

242.7014,

 0.2684, 0.0000,

232.8015, 296.5866

0.7235

291.5810,
281.2481, 354.9691

■ 0.0000, 0.0000,
0.0000

■ 42.2811, 37.6204,
54.3232

■ 42.2811, 37.6204,
54.3232

■ 39.4021, 31.8619,
53.3638

■ 45.6627, 44.3830,
55.4510

■ 36.9986, 27.0550,
52.5625

■ 49.5658, 52.1891,
56.7522

■ 35.0461, 23.1499,
51.9114

■ 54.0123, 61.0820,
58.2346

■ 33.5164, 20.0906,
51.4014

■ 59.0219, 71.1012,
59.9046

■ 32.3783, 17.8144,
51.0218

■ 64.6134, 82.2840,
61.7686

■ 31.5962, 16.2503,
50.7609

■ 66.6505, 86.3583,
62.4478

■ 31.1281, 15.3142,
50.6047

■ 66.6506, 86.3583,
62.4480

■ 30.8922, 14.8425,
50.5260

■ 66.6506, 86.3583,
62.4482

■ 30.8900, 14.8381,
50.5252

■ 66.6506, 86.3583,
62.4484

Harmonies

Analogous

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



39.0753, 37.6204, 63.4871



42.2811, 37.6204, 54.3232



43.7414, 37.6204, 42.6605

Triad

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



42.2811, 37.6204, 54.3232



36.3452, 37.6204, 23.1076



29.4245, 37.6204, 50.8953

Complementary

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



42.2811, 37.6204, 54.3232



37.5190, 46.3351, 37.1052

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.



28.8087, 37.6204, 39.3096



42.2811, 37.6204, 54.3232



32.6322, 37.6204, 24.5161

Square

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



42.2811, 37.6204, 54.3232



40.1601, 37.6204, 25.7253



29.9412, 37.6204, 29.9940



31.6882, 37.6204, 61.2697

Rectangle

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



42.2811, 37.6204, 54.3232



43.4567, 37.6204, 35.4976



29.9412, 37.6204, 29.9940



29.0253, 37.6204, 46.9607

Sweetspot

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



42.2822, 37.6220, 54.3240



84.3240, 84.5751, 100.1592



33.9337, 33.3182, 53.9337



18.4175, 18.3734, 21.9609



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



42.2822, 37.6220, 54.3240



73.3040, 62.5353, 96.4853



40.3248, 36.8391, 44.0165



9.9300, 9.6963, 12.0204



20.3002, 9.7512, 33.2039



0.7952, 0.3820, 1.3006

Inverse Universe

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



42.2822, 37.6220, 54.3240



73.3040, 62.5353, 96.4853



39.2155, 47.0137, 46.0388



9.9300, 9.6963, 12.0204



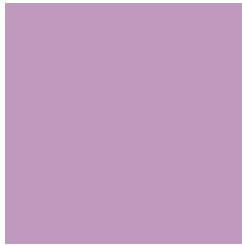
20.3002, 9.7512, 33.2039



0.7952, 0.3820, 1.3006

Previews

White Background



This preview shows how the XYZ color 42.2811, 37.6204, 54.3232 looks on a white background.

Color Contrast Check

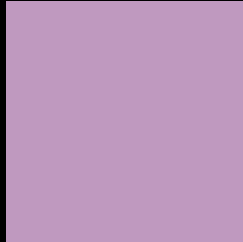
Large Text (above 18pt) WCAG AA × Fail

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 42.2811, 37.6204, 54.3232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

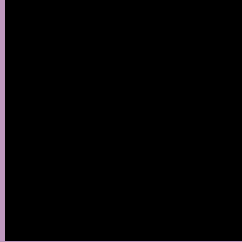
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.2811, 37.6204, 54.3232

Background



This preview shows how black text looks on a background with the XYZ color 42.2811, 37.6204, 54.3232.



This preview shows how white text looks on a background with the XYZ color 42.2811, 37.6204,

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

42.2811, 37.6204, 54.3232

Protanopia

37.5691, 37.8972, 58.7609

Deuteranopia

38.5077, 37.7099, 53.3933



Tritanopia

39.9574, 37.6699, 42.7011

Trichromacy



Original Color

42.2811, 37.6204, 54.3232

Protanomaly

38.9987, 37.6278, 56.8372

Deuteranomaly

39.8812, 37.6364, 53.8778

Tritanomaly

40.8105, 37.7701, 46.7344

Monochromacy



Original Color

42.2811, 37.6204, 54.3232

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

39.1645, 38.7158, 47.0037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2811, 37.6204, 54.3232 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(191, 153, 191)` looks like.

```
.text, #text, p{  
    color:rgb(191, 153, 191)  
}
```

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(191, 153, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 153, 191) }
```

Border

The CSS property to change the border of an element to XYZ 42.2811, 37.6204, 54.3232 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(191, 153, 191) }
```


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

```
.border{ border-color:rgb(191, 153, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 153, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 153, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 153, 191);  
box-shadow:4px 4px 4px 4px rgb(191, 153,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2811, 37.6204, 54.3232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 153, 191) }
```

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

```
.background{ background-color: rgb(191,  
153, 191) }
```

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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