

Converting Colors

XYZ(42.8800, 37.5075, 62.1182)

Have a look what the booklet for
XYZ(42.8800, 37.5075, 62.1182)
contains.

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Color

**XYZ(42.8664, 37.5075,
62.1071)**

Conversions

Conversions Part 1

Format	Color
Hex	BC98CC
RGB	188, 152, 204
RGB Percent	74%, 60%, 80%
CMY	0.2627, 0.4039, 0.2000
CMYK	0.08, 0.25, 0.00, 0.20
HSL	282°, 34%, 70%
HSV	282°, 25%, 80%
XYZ	42.8664, 37.5075, 62.1071
YIQ	168.6920, 4.7640, 23.8040

Conversions

Conversions Part 2

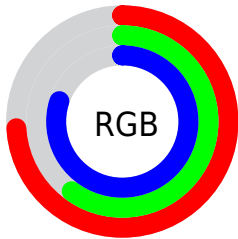
Format	Color
R _{YB}	188, 152, 204
Decimal	12359884
CIE Lab	67.66, 22.85, -21.63
CIE LCh	68, 31.467, 316.573
Yxy	37.5075, 0.3009, 0.2632
Android (android.graphics.Color)	4290549964 (0xFFBC98CC)
YUV	168.6920, 17.4068, 16.9331
Hunter-Lab	61.2434, 17.7626, -17.2558

Details

The XYZ color **42.8664, 37.5075, 62.1071** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.4101, 53.7785, 37.7999**, and the grayscale version is **37.4762, 39.4279, 42.9369**.

A 20% lighter version of the original color is **78.0190, 71.2581, 104.2499**, and **19.9902, 16.5777, 31.0004** is the 20% darker color. If you saturate the color by 10%, you get **38.3233, 30.6666, 61.0267**, and if you desaturate by 10%, it is **48.0485, 45.5251, 63.3821**.

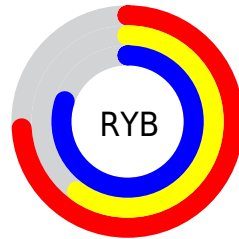
Distribution



Red (74%)

Green (60%)

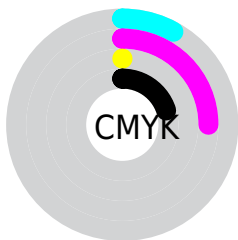
Blue (80%)



Red (74%)

Yellow (60%)

Blue (80%)

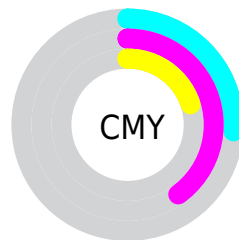


Cyan (8%)

Magenta (25%)

Yellow (0%)

Black (20%)



Cyan (26%)

Magenta (40%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8664, 37.5075, 62.1071 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 42.8664, 37.5075, 62.1071 by changing the saturation by 10% instead.

■ 42.8664, 37.5075,
62.1071

■ 42.8664, 37.5075,
62.1071

348.9929,
335.5025, 450.3401

■ 29.9744, 25.6007,
44.6829

■ 78.7662, 71.3526,
109.4534

■ 19.9671, 16.5251,
30.8666

■ 102.5046, 94.0597,
140.2126

■ 12.4793, 9.8965,
20.2397

130.5893,
121.1357, 176.2538

■ 7.1455, 5.3304,
12.3836

163.3855,
152.9649, 217.9957

■ 3.6004, 2.4424,
6.8798

201.2586,
189.9319, 265.8567

■ 1.4786, 0.8476,
3.3097

244.5740,

■ 0.3112, 0.0000,

232.4208, 320.2554

1.2549

293.6969,
280.8163, 381.6104

■ 0.0000, 0.0000,
0.0244

■ 0.0000, 0.0000,
0.0000

■ 42.8664, 37.5075,
62.1071

■ 42.8664, 37.5075,
62.1071

■ 38.3233, 30.6666,
61.0267

■ 48.0485, 45.5251,
63.3821

■ 34.3858, 24.9390,
60.1287

■ 53.8941, 54.7692,
64.8583

■ 31.0224, 20.2623,
59.4033

■ 60.4303, 65.2924,
66.5450

■ 28.1972, 16.5660,
58.8387

■ 67.6820, 77.1429,
68.4502

■ 25.8699, 13.7708,
58.4218

■ 75.6724, 90.3663,
70.5814

■ 23.9938, 11.7846,
58.1373

■ 77.9179, 91.9941,
70.7772

■ 22.5117, 10.4944,
57.9664

■ 79.9187, 93.0256,
70.8709

■ 21.9230, 10.0427,
57.9103

■ 81.9922, 94.0945,
70.9679

■ 84.1393, 95.2014,
71.0684

Harmonies

Analogous

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



38.3786, 37.5075, 72.1881



42.8664, 37.5075, 62.1071



45.5199, 37.5075, 47.3659

Triad

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



42.8664, 37.5075, 62.1071



37.8612, 37.5075, 19.9677



27.4318, 37.5075, 48.9474

Complementary

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



42.8664, 37.5075, 62.1071



43.4101, 53.7785, 37.7999

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.



27.3206, 37.5075, 34.9416



42.8664, 37.5075, 62.1071



33.0534, 37.5075, 20.2042

Square

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



42.8664, 37.5075, 62.1071



42.4581, 37.5075, 24.3407



29.2922, 37.5075, 25.0828



29.6111, 37.5075, 63.4890

Rectangle

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



42.8664, 37.5075, 62.1071



45.7484, 37.5075, 37.8556



29.2922, 37.5075, 25.0828



27.1587, 37.5075, 43.9757

Sweetspot

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



42.8676, 37.5091, 62.1079



86.6122, 86.4967, 106.7383



37.9384, 39.2145, 62.6969



18.2169, 18.0035, 22.7648



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.



42.8676, 37.5091, 62.1079



66.4163, 55.1863, 101.7592



45.9213, 39.2114, 56.4633



11.3386, 11.2238, 14.1392



13.8974, 6.3719, 36.4537



0.7923, 0.3676, 1.8841

Inverse Universe

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



43.1992, 38.1226, 42.1289



67.2128, 56.4740, 62.1692



41.0232, 52.4542, 41.9295



11.3521, 11.2696, 12.3887



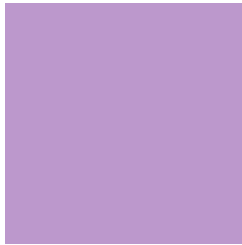
16.2711, 8.3190, 3.8802



0.8735, 0.4428, 0.3799

Previews

White Background



This preview shows how the XYZ color 42.8664, 37.5075, 62.1071 looks on a white background.

Color Contrast Check

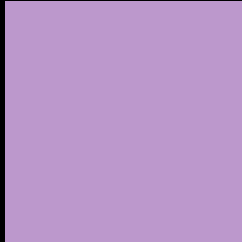
Large Text (above 18pt) WCAG AA × Fail

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 42.8664, 37.5075, 62.1071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

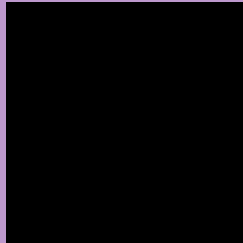
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.8664, 37.5075, 62.1071

Background



This preview shows how black text looks on a background with the XYZ color 42.8664, 37.5075, 62.1071.



This preview shows how white text looks on a background with the XYZ color 42.8664, 37.5075,

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

42.8664, 37.5075, 62.1071

Protanopia

37.9298, 37.6233, 67.5503

Deuteranopia

38.3058, 37.4354, 61.0839



Tritanopia

39.1060, 37.4613, 43.6977

Trichromacy



Original Color

42.8664, 37.5075, 62.1071

Protanomaly

39.4238, 37.3991, 65.4625

Deuteranomaly

39.8009, 37.4234, 61.6256

Tritanomaly

40.4433, 37.5101, 49.9083

Monochromacy



Original Color

42.8664, 37.5075, 62.1071

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

39.4452, 38.8019, 49.6665

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8664, 37.5075, 62.1071 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(188, 152, 204)` looks like.

```
.text, #text, p{  
    color:rgb(188, 152, 204)  
}
```

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(188, 152, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 152, 204) }
```

Border

The CSS property to change the border of an element to XYZ 42.8664, 37.5075, 62.1071 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(188, 152, 204) }
```


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

```
.border{ border-color:rgb(188, 152, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 152, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 152, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 152, 204);  
box-shadow:4px 4px 4px 4px rgb(188, 152,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8664, 37.5075, 62.1071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 152, 204) }
```

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

```
.background{ background-color: rgb(188,  
152, 204) }
```

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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