

Converting Colors

XYZ(42.2184, 36.6320, 62.9424)

Have a look what the booklet for
XYZ(42.2184, 36.6320, 62.9424)
contains.

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Color

**XYZ(42.2966, 36.7080,
63.2486)**

Conversions

Conversions Part 1

Format	Color
Hex	BA96CE
RGB	186, 150, 206
RGB Percent	73%, 59%, 81%
CMY	0.2706, 0.4117, 0.1922
CMYK	0.10, 0.27, 0.00, 0.19
HSL	279°, 36%, 70%
HSV	279°, 27%, 81%
XYZ	42.2966, 36.7080, 63.2486
YIQ	167.1480, 3.4800, 25.0480

Conversions

Conversions Part 2

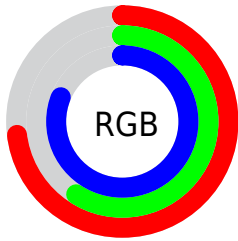
Format	Color
R _Y B	186, 150, 206
Decimal	12228302
CIE Lab	67.06, 23.73, -23.67
CIE LCh	67, 33.517, 315.064
Yxy	36.7080, 0.2973, 0.2580
Android (android.graphics.Color)	4290418382 (0xFFBA96CE)
YUV	167.1480, 19.1540, 16.5332
Hunter-Lab	60.5871, 18.5855, -19.4835

Details

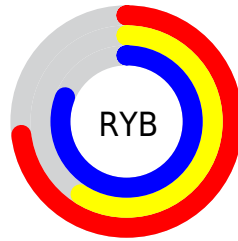
The XYZ color **42.2966, 36.7080, 63.2486** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.1551, 54.8916, 37.1238**, and the grayscale version is **36.7121, 38.6240, 42.0615**.

A 20% lighter version of the original color is **76.6050, 69.4604, 103.9774**, and **19.6451, 16.0962, 31.7772** is the 20% darker color. If you saturate the color by 10%, you get **37.5526, 29.8048, 62.1668**, and if you desaturate by 10%, it is **47.7129, 44.8174, 64.5290**.

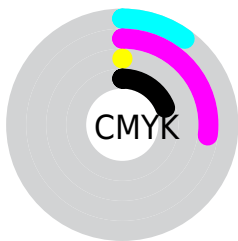
Distribution



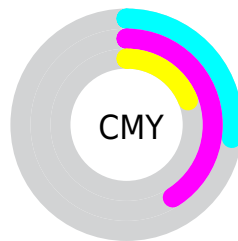
- Red (73%)
- Green (59%)
- Blue (81%)



- Red (73%)
- Yellow (59%)
- Blue (81%)



- Cyan (10%)
- Magenta (27%)
- Yellow (0%)
- Black (19%)



- Cyan (27%)
- Magenta (41%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2966, 36.7080, 63.2486 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 42.2966, 36.7080, 63.2486 by changing the saturation by 10% instead.

■ 42.2966, 36.7080,
63.2486

■ 42.2966, 36.7080,
63.2486

346.6817,
332.0446, 454.6039

■ 29.5257, 24.9815,
45.6001

■ 77.9107, 70.1235,
111.1171

■ 19.6252, 16.0633,
31.5840

■ 101.4846, 92.5812,
142.1742

■ 12.2295, 9.5689,
20.7817

129.3902,
119.3848, 178.5378

■ 6.9735, 5.1141,
12.7749

161.9929,
150.9187, 220.6266

■ 3.4917, 2.3144,
7.1448

199.6581,
187.5672, 268.8591

■ 1.4188, 0.7813,
3.4730

242.7510,

■ 0.2696, 0.0000,

229.7147, 323.6538

1.3409

291.6371,
277.7457, 385.4292

■ 0.0000, 0.0000,
0.0950

■ 0.0000, 0.0000,
0.0000

■ 42.2966, 36.7080,
63.2486

■ 42.2966, 36.7080,
63.2486

■ 37.5526, 29.8048,
62.1668

■ 47.7129, 44.8174,
64.5290

■ 33.4456, 24.0419,
61.2709

■ 53.8272, 54.1852,
66.0149

■ 29.9425, 19.3543,
60.5507

■ 60.6684, 64.8660,
67.7159

■ 27.0053, 15.6679,
59.9940

■ 68.2623, 76.9098,
69.6404

■ 24.5911, 12.8994,
59.5868

■ 76.6335, 90.3640,
71.7961

■ 22.6500, 10.9513,
59.3131

■ 79.5805, 92.8233,
72.1154

■ 21.1152, 9.6918,
59.1509

■ 81.9938, 94.0675,
72.2284

■ 20.7235, 9.3964,
59.1145

■ 84.5081, 95.3636,
72.3461

■ 87.1243, 96.7123,
72.4685

Harmonies

Analogous

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



37.4991, 36.7080, 73.6550



42.2966, 36.7080, 63.2486



45.2403, 36.7080, 47.6472

Triad

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



42.2966, 36.7080, 63.2486



37.4770, 36.7080, 18.5225



26.2570, 36.7080, 47.7153

Complementary

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



42.2966, 36.7080, 63.2486



44.1551, 54.8916, 37.1238

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.



26.2523, 36.7080, 33.1630



42.2966, 36.7080, 63.2486



32.4045, 36.7080, 18.5322

Square

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



42.2966, 36.7080, 63.2486



42.2790, 36.7080, 23.2119



28.4026, 36.7080, 23.2428



28.4161, 36.7080, 63.3088

Rectangle

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



42.2966, 36.7080, 63.2486



45.5894, 36.7080, 37.5424



28.4026, 36.7080, 23.2428



26.0108, 36.7080, 42.4975

Sweetspot

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



42.2978, 36.7096, 63.2494



86.2541, 86.3121, 106.7216



38.1945, 39.8916, 64.0799



18.1264, 17.9569, 22.7606



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.



42.2978, 36.7096, 63.2494



63.6191, 52.2880, 101.3473



46.6157, 39.0378, 58.8281



11.2837, 11.1956, 14.1366



12.8698, 5.8421, 36.4056



0.7447, 0.3430, 1.8819

Inverse Universe

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



43.6168, 37.8383, 43.0365



66.3059, 54.5417, 62.2321



40.7760, 53.0779, 40.2051



11.3751, 11.2788, 12.5098



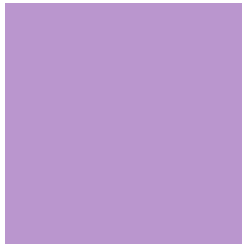
16.4681, 8.3978, 4.9175



0.8856, 0.4476, 0.4432

Previews

White Background



This preview shows how the XYZ color 42.2966, 36.7080, 63.2486 looks on a white background.

Color Contrast Check

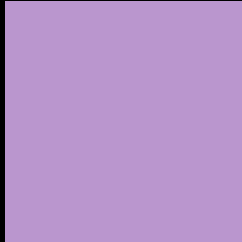
Large Text (above 18pt) WCAG AA × Fail

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 42.2966, 36.7080, 63.2486 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 42.2966, 36.7080, 63.2486

Background



This preview shows how black text looks on a background with the XYZ color 42.2966, 36.7080, 63.2486.



This preview shows how white text looks on a background with the XYZ color 42.2966, 36.7080,

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

42.2966, 36.7080, 63.2486

Protanopia

37.2769, 36.7343, 68.7441

Deuteranopia

37.5704, 36.7703, 62.2440



Tritanopia

38.0408, 36.6818, 42.6114

Trichromacy



Original Color

42.2966, 36.7080, 63.2486

Protanomaly

38.7151, 36.4985, 66.6324

Deuteranomaly

39.0564, 36.5095, 62.7462

Tritanomaly

39.2905, 36.4337, 49.2175

Monochromacy



Original Color

42.2966, 36.7080, 63.2486

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

38.5409, 37.8246, 48.9856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2966, 36.7080, 63.2486 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(186, 150, 206)` looks like.

```
.text, #text, p{  
    color:rgb(186, 150, 206)  
}
```

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(186, 150, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 150, 206) }
```

Border

The CSS property to change the border of an element to XYZ 42.2966, 36.7080, 63.2486 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(186, 150, 206) }
```


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

```
.border{ border-color:rgb(186, 150, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 150, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 150, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 150, 206);  
box-shadow:4px 4px 4px 4px rgb(186, 150,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2966, 36.7080, 63.2486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 150, 206) }
```

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

```
.background{ background-color: rgb(186,  
150, 206) }
```

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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