

Converting Colors

XYZ(42.5988, 37.0863, 62.7753)

Have a look what the booklet for
XYZ(42.5988, 37.0863, 62.7753)
contains.

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Color

**XYZ(42.5796, 37.1058,
62.6756)**

Conversions

Conversions Part 1

Format	Color
Hex	BB97CD
RGB	187, 151, 205
RGB Percent	73%, 59%, 80%
CMY	0.2667, 0.4078, 0.1961
CMYK	0.09, 0.26, 0.00, 0.20
HSL	280°, 35%, 70%
HSV	280°, 26%, 80%
XYZ	42.5796, 37.1058, 62.6756
YIQ	167.9200, 4.1220, 24.4260

Conversions

Conversions Part 2

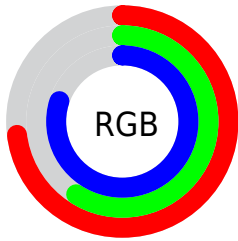
Format	Color
R _Y B	187, 151, 205
Decimal	12294093
CIE Lab	67.36, 23.29, -22.65
CIE LCh	67, 32.488, 315.792
Yxy	37.1058, 0.2991, 0.2606
Android (android.graphics.Color)	4290484173 (0xFFBB97CD)
YUV	167.9200, 18.2804, 16.7332
Hunter-Lab	60.9145, 18.1721, -18.3639

Details

The XYZ color **42.5796, 37.1058, 62.6756** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.7807, 54.3330, 37.4597**, and the grayscale version is **37.0930, 39.0247, 42.4979**.

A 20% lighter version of the original color is **77.1895, 70.1157, 104.0731**, and **19.8160, 16.3353, 31.3868** is the 20% darker color. If you saturate the color by 10%, you get **37.9310, 30.2310, 61.5942**, and if you desaturate by 10%, it is **47.8838, 45.1720, 63.9536**.

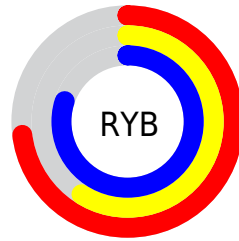
Distribution



Red (73%)

Green (59%)

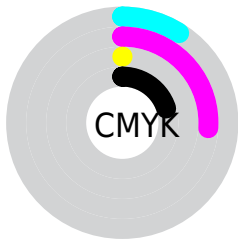
Blue (80%)



Red (73%)

Yellow (59%)

Blue (80%)

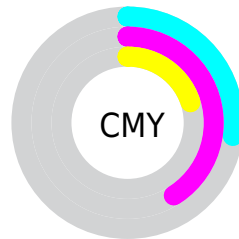


Cyan (9%)

Magenta (26%)

Yellow (0%)

Black (20%)



Cyan (27%)

Magenta (41%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5796, 37.1058, 62.6756 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 42.5796, 37.1058, 62.6756 by changing the saturation by 10% instead.

■ 42.5796, 37.1058,
62.6756

■ 42.5796, 37.1058,
62.6756

347.8309,
333.7683, 452.4667

■ 29.7485, 25.2894,
45.1395

■ 78.3357, 70.7355,
110.2824

■ 19.7949, 16.2928,
31.2236

■ 101.9915, 93.3176,
141.1902

■ 12.3534, 9.7316,
20.5093

129.9862,
120.2570, 177.3924

■ 7.0588, 5.2214,
12.5780

162.6851,
151.9382, 219.3073

■ 3.5455, 2.3777,
7.0113

200.4537,
188.7455, 267.3537

■ 1.4484, 0.8144,
3.3906

243.6573,

■ 0.2903, 0.0000,

231.0634, 321.9501

1.2974

292.6613,
279.2762, 383.5149

■ 0.0000, 0.0000,
0.0596

■ 0.0000, 0.0000,
0.0000

■ 42.5796, 37.1058,
62.6756

■ 42.5796, 37.1058,
62.6756

■ 37.9310, 30.2310,
61.5942

■ 47.8838, 45.1720,
63.9536

■ 33.9036, 24.4830,
60.6970

■ 53.8686, 54.4806,
65.4349

■ 30.4652, 19.7980,
59.9739

■ 60.5620, 65.0852,
67.1290

■ 27.5788, 16.1039,
59.4130

■ 67.9893, 77.0349,
69.0440

■ 25.2029, 13.3194,
59.0008

■ 76.1746, 90.3761,
71.1877

■ 23.2892, 11.3496,
58.7214

■ 78.7753, 92.4222,
71.4456

■ 21.7765, 10.0741,
58.5550

■ 80.9864, 93.5621,
71.5491

■ 21.2815, 9.6980,
58.5085

■ 83.2841, 94.7466,
71.6566

■ 85.6695, 95.9763,
71.7682

Harmonies

Analogous

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



37.9360, 37.1058, 72.9171



42.5796, 37.1058, 62.6756



45.3788, 37.1058, 47.5069

Triad

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



42.5796, 37.1058, 62.6756



37.6686, 37.1058, 19.2366



26.8399, 37.1058, 48.3262

Complementary

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



42.5796, 37.1058, 62.6756



43.7807, 54.3330, 37.4597

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.



26.7829, 37.1058, 34.0431



42.5796, 37.1058, 62.6756



32.7280, 37.1058, 19.3563

Square

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



42.5796, 37.1058, 62.6756



42.3680, 37.1058, 23.7727



28.8452, 37.1058, 24.1506



29.0090, 37.1058, 63.3957

Rectangle

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



42.5796, 37.1058, 62.6756



45.6678, 37.1058, 37.6997



28.8452, 37.1058, 24.1506



26.5805, 37.1058, 43.2303

Sweetspot

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



42.5808, 37.1074, 62.6764



86.4263, 86.4009, 106.7296



38.1394, 39.7006, 63.4110



18.1699, 17.9793, 22.7626



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.



42.5808, 37.1074, 62.6764



65.0018, 53.7220, 101.5512



46.3111, 39.1405, 57.8781



11.3101, 11.2092, 14.1379



13.3527, 6.0911, 36.4282



0.7672, 0.3546, 1.8830

Inverse Universe

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



43.4061, 37.9785, 42.5805



66.7560, 55.4990, 62.2061



40.8618, 52.7496, 40.8761



11.3640, 11.2743, 12.4514



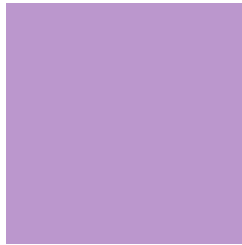
16.3691, 8.3582, 4.3966



0.8796, 0.4453, 0.4120

Previews

White Background



This preview shows how the XYZ color 42.5796, 37.1058, 62.6756 looks on a white background.

Color Contrast Check

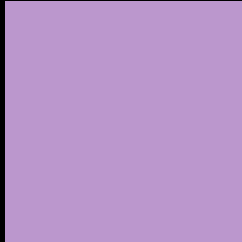
Large Text (above 18pt) WCAG AA × Fail

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 42.5796, 37.1058, 62.6756 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 42.5796, 37.1058, 62.6756

Background



This preview shows how black text looks on a background with the XYZ color 42.5796, 37.1058, 62.6756.



This preview shows how white text looks on a background with the XYZ color 42.5796, 37.1058,

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

42.5796, 37.1058, 62.6756

Protanopia

37.6931, 37.2241, 68.1491

Deuteranopia

38.0216, 37.2751, 61.6908



Tritanopia

38.7740, 37.3011, 43.1864

Trichromacy



Original Color

42.5796, 37.1058, 62.6756

Protanomaly

39.1696, 36.9994, 66.0499

Deuteranomaly

39.5336, 37.0196, 62.1886

Tritanomaly

40.0358, 37.0519, 49.8414

Monochromacy



Original Color

42.5796, 37.1058, 62.6756

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

38.9400, 38.2908, 49.0546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5796, 37.1058, 62.6756 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(187, 151, 205)` looks like.

```
.text, #text, p{  
    color:rgb(187, 151, 205)  
}
```

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(187, 151, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 151, 205) }
```

Border

The CSS property to change the border of an element to XYZ 42.5796, 37.1058, 62.6756 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(187, 151, 205) }
```


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

```
.border{ border-color:rgb(187, 151, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 151, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 151, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 151, 205);  
box-shadow:4px 4px 4px 4px rgb(187, 151,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5796, 37.1058, 62.6756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 151, 205) }
```

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

```
.background{ background-color: rgb(187,  
151, 205) }
```

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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