

Converting Colors

XYZ(37.0710, 30.0727, 62.2433)

Have a look what the booklet for
XYZ(37.0710, 30.0727, 62.2433)
contains.

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Color

**XYZ(37.0710, 30.0727,
62.2433)**

Conversions

Conversions Part 1

Format	Color
Hex	AF84CE
RGB	175, 132, 206
RGB Percent	69%, 52%, 81%
CMY	0.3137, 0.4823, 0.1922
CMYK	0.15, 0.36, 0.00, 0.19
HSL	275°, 43%, 66%
HSV	275°, 36%, 81%
XYZ	37.0710, 30.0727, 62.2433
YIQ	153.2930, 1.8740, 32.1300

Conversions

Conversions Part 2

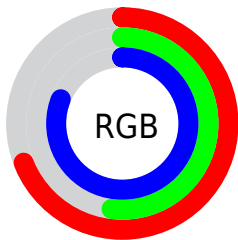
Format	Color
RYB	175, 132, 206
Decimal	11502798
CIELab	61.72, 30.33, -31.99
CIELCh	62, 44.084, 313.471
Yxy	30.0727, 0.2865, 0.2324
Android (android.graphics.Color)	4289692878 (0xFFAF84CE)
YUV	153.2930, 25.9846, 19.0370
Hunter-Lab	54.8386, 24.6989, -28.9088

Details

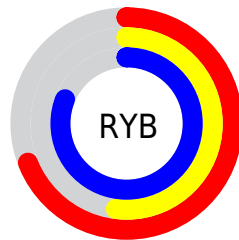
The XYZ color **37.0710, 30.0727, 62.2433** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.3414, 53.5958, 29.9972**, and the grayscale version is **30.2965, 31.8743, 34.7111**.

A 20% lighter version of the original color is **68.5639, 59.3267, 102.4452**, and **16.4884, 12.3339, 30.7898** is the 20% darker color. If you saturate the color by 10%, you get **32.6732, 24.0607, 61.3151**, and if you desaturate by 10%, it is **42.1462, 37.2541, 63.3624**.

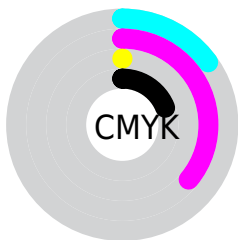
Distribution



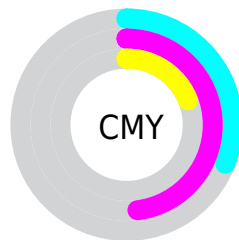
- Red (69%)
- Green (52%)
- Blue (81%)



- Red (69%)
- Yellow (52%)
- Blue (81%)



- Cyan (15%)
- Magenta (36%)
- Yellow (0%)
- Black (19%)



- Cyan (31%)
- Magenta (48%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0710, 30.0727, 62.2433 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 37.0710, 30.0727, 62.2433 by changing the saturation by 10% instead.

37.0710, 30.0727,
62.2433

37.0710, 30.0727,
62.2433

324.9680,
302.2432, 450.8501

25.4364, 19.8938,
44.7923

69.9951, 59.7771,
109.6521

16.5329, 12.3179,
30.9521

92.0153, 80.0714,
140.4469

9.9953, 6.9605,
20.3042

118.2281,
104.5063, 176.5268

5.4581, 3.4374,
12.4301

148.9988,
133.4661, 218.3102

2.5560, 1.3641,
6.9112

184.6928,
167.3354, 266.2157

0.9236, 0.1901,
3.3290

225.6754,

0.0000, 0.0000,

206.4983, 320.6618

1.2650

272.3120,
251.3395, 382.0671

■ 0.0000, 0.0000,
0.0328

■ 0.0000, 0.0000,
0.0000

■ 37.0710, 30.0727,
62.2433

■ 37.0710, 30.0727,
62.2433

■ 32.6732, 24.0607,
61.3151

■ 42.1462, 37.2541,
63.3624

■ 28.9149, 19.1479,
60.5650

■ 47.9278, 45.6622,
64.6807

■ 25.7585, 15.2622,
59.9813

■ 54.4470, 55.3550,
66.2079

■ 23.1611, 12.3212,
59.5505

■ 61.7318, 66.3856,
67.9531

■ 21.0728, 10.2288,
59.2567

■ 69.8087, 78.8039,
69.9244

■ 19.4322, 8.8661,
59.0802

■ 78.5101, 92.2715,
72.0653

■ 18.8452, 8.4281,
59.0266

■ 81.2973, 93.7084,
72.1957

■ 84.2229, 95.2166,
72.3326

■ 87.2887, 96.7971,
72.4761

Harmonies

Analogous

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



31.2935, 30.0727, 75.3008



37.0710, 30.0727, 62.2433



40.8237, 30.0727, 42.8258

Triad

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



37.0710, 30.0727, 62.2433



31.9153, 30.0727, 10.5061



18.9537, 30.0727, 40.8647

Complementary

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



37.0710, 30.0727, 62.2433



41.3414, 53.5958, 29.9972

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.



19.0724, 30.0727, 24.3835



37.0710, 30.0727, 62.2433



26.0341, 30.0727, 10.2983

Square

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



37.0710, 30.0727, 62.2433



37.5796, 30.0727, 15.1625



21.5012, 30.0727, 14.4444



21.1510, 30.0727, 60.3911

Rectangle

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



37.0710, 30.0727, 62.2433



41.3914, 30.0727, 30.8259



21.5012, 30.0727, 14.4444



18.7342, 30.0727, 34.7402

Sweetspot

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



37.0720, 30.0739, 62.2440



82.5536, 81.2299, 105.9356



33.9448, 35.9377, 63.5406



17.3628, 16.9309, 22.6028



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.



37.0720, 30.0739, 62.2440



54.5419, 41.1428, 99.6744



44.2562, 33.8457, 59.5004



11.2157, 11.1605, 14.1334



11.7170, 5.2479, 36.3517



0.6898, 0.3147, 1.8793

Inverse Universe

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



40.3167, 32.2699, 38.7554



60.8543, 45.3921, 55.0088



36.0986, 50.8531, 31.5562



11.4040, 11.2903, 12.6622



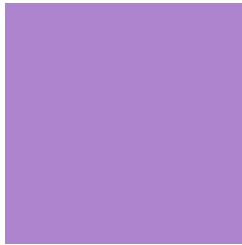
16.7613, 8.5151, 6.4616



0.9023, 0.4543, 0.5313

Previews

White Background



This preview shows how the XYZ color 37.0710, 30.0727, 62.2433 looks on a white background.

Color Contrast Check

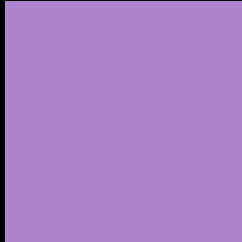
Large Text (above 18pt) WCAG AA × Fail

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 37.0710, 30.0727, 62.2433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

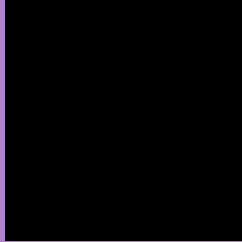
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.0710, 30.0727, 62.2433

Background



This preview shows how black text looks on a background with the XYZ color 37.0710, 30.0727, 62.2433.



This preview shows how white text looks on a background with the XYZ color 37.0710, 30.0727,

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

37.0710, 30.0727, 62.2433

Protanopia

31.6928, 30.3650, 70.5203

Deuteranopia

30.8861, 30.1658, 60.6946



Tritanopia

31.5915, 30.1935, 34.7347

Trichromacy



Original Color

37.0710, 30.0727, 62.2433

Protanomaly

33.3122, 30.1303, 67.6783

Deuteranomaly

32.7848, 30.0015, 61.1897

Tritanomaly

33.3530, 30.0284, 43.5733

Monochromacy



Original Color

37.0710, 30.0727, 62.2433

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

32.2697, 30.8064, 43.2752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0710, 30.0727, 62.2433 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(175, 132, 206)` looks like.

```
.text, #text, p{  
    color:rgb(175, 132, 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(175, 132, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 132, 206) }
```

Border

The CSS property to change the border of an element to XYZ 37.0710, 30.0727, 62.2433 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(175, 132, 206) }
```


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

```
.border{ border-color:rgb(175, 132, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 132, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 132, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 132, 206);  
box-shadow:4px 4px 4px 4px rgb(175, 132,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0710, 30.0727, 62.2433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 132, 206) }
```

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

```
.background{ background-color: rgb(175,  
132, 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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