

Converting Colors

XYZ(37.1283, 30.7358, 58.9871)

Have a look what the booklet for
XYZ(37.1283, 30.7358, 58.9871)
contains.

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Color

**XYZ(37.1111, 30.7751,
59.2426)**

Conversions

Conversions Part 1

Format	Color
Hex	B087C9
RGB	176, 135, 201
RGB Percent	69%, 53%, 79%
CMY	0.3098, 0.4706, 0.2118
CMYK	0.12, 0.33, 0.00, 0.21
HSL	277°, 38%, 66%
HSV	277°, 33%, 79%
XYZ	37.1111, 30.7751, 59.2426
YIQ	154.7830, 3.2500, 29.2180

Conversions

Conversions Part 2

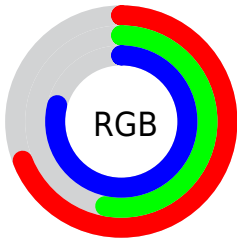
Format	Color
R _Y B	176, 135, 201
Decimal	11569097
CIE Lab	62.32, 27.87, -28.25
CIE LCh	62, 39.683, 314.619
Yxy	30.7751, 0.2919, 0.2421
Android (android.graphics.Color)	4289759177 (0xFFB087C9)
YUV	154.7830, 22.7850, 18.6073
Hunter-Lab	55.4753, 22.3287, -24.4836

Details

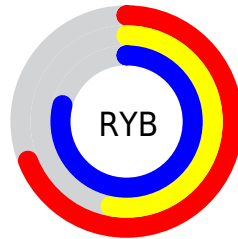
The XYZ color **37.1111, 30.7751, 59.2426** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **39.7580, 50.9969, 30.6710**, and the grayscale version is **30.9623, 32.5747, 35.4739**.

A 20% lighter version of the original color is **69.5263, 60.7710, 102.6733**, and **16.5410, 12.7412, 29.1912** is the 20% darker color. If you saturate the color by 10%, you get **32.8937, 24.8241, 58.3167**, and if you desaturate by 10%, it is **41.9565, 37.8373, 60.3508**.

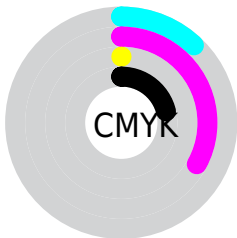
Distribution



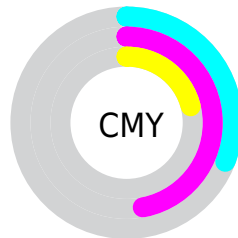
- Red (69%)
- Green (53%)
- Blue (79%)



- Red (69%)
- Yellow (53%)
- Blue (79%)



- Cyan (12%)
- Magenta (33%)
- Yellow (0%)
- Black (21%)





- Cyan (31%)
- Magenta (47%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1111, 30.7751, 59.2426 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 37.1111, 30.7751, 59.2426 by changing the saturation by 10% instead.


 37.1111, 30.7751,
59.2426


 37.1111, 30.7751,
59.2426

325.1385,
305.5009, 439.5272


 25.4676, 20.4277,
42.3871


 70.0563, 60.8858,
105.2628

 16.5564, 12.7063,
29.0767


 92.0888, 81.4179,
135.2646

 10.0120, 7.2266,
18.8928


 118.3149,
106.1136, 170.4855

 5.4693, 3.6042,
11.4168

149.1001,
135.3574, 211.3442

 2.5627, 1.4547,
6.2302

184.8097,
169.5336, 258.2592

 0.9270, 0.2565,
2.9145

225.8091,

 0.0000, 0.0000,

209.0266, 311.6490

1.0512

272.4635,
254.2209, 371.9322

■ 0.0000, 0.0000,
0.0000

■ 37.1111, 30.7751,
59.2426

■ 37.1111, 30.7751,
59.2426

■ 32.8937, 24.8241,
58.3167

■ 41.9565, 37.8373,
60.3508

■ 29.2698, 19.9198,
57.5611

■ 47.4560, 46.0626,
61.6486

■ 26.2060, 15.9971,
56.9654

■ 53.6375, 55.5043,
63.1453

■ 23.6638, 12.9815,
56.5173

■ 60.5267, 66.2113,
64.8488

■ 21.5995, 10.7877,
56.2027

■ 68.1477, 78.2296,
66.7669

■ 19.9603, 9.3133,
56.0045

■ 76.3302, 91.2168,
68.8424

■ 18.9803, 8.5668,
55.9121

■ 78.7109, 92.4441,
68.9539

■ 81.1982, 93.7264,
69.0703

■ 83.7934, 95.0642,
69.1917

Harmonies

Analogous

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



31.9324, 30.7751, 70.9949



37.1111, 30.7751, 59.2426



40.3668, 30.7751, 41.9711

Triad

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



37.1111, 30.7751, 59.2426



32.0730, 30.7751, 12.3330



20.3616, 30.7751, 41.5322

Complementary

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



37.1111, 30.7751, 59.2426



39.7580, 50.9969, 30.6710

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.



20.3894, 30.7751, 26.2681



37.1111, 30.7751, 59.2426



26.7237, 30.7751, 12.2809

Square

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



37.1111, 30.7751, 59.2426



37.2248, 30.7751, 16.7467



22.5870, 30.7751, 16.5726



22.5056, 30.7751, 58.8377

Rectangle

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



37.1111, 30.7751, 59.2426



40.7846, 30.7751, 31.1854



22.5870, 30.7751, 16.5726



20.1265, 30.7751, 35.9449

Sweetspot

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



37.1121, 30.7764, 59.2433



83.9831, 83.0096, 106.2038



33.1583, 34.6150, 60.1926



17.6640, 17.2939, 22.6570



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.



37.1121, 30.7764, 59.2433



58.5764, 45.6484, 100.3315



42.4114, 33.6103, 54.8805



10.6788, 10.6082, 13.4022



12.0385, 5.4403, 35.1599



0.6487, 0.2981, 1.6685

Inverse Universe

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



39.0975, 32.2848, 37.4299



62.7034, 48.7463, 56.6853



35.8146, 48.8991, 33.4198



10.7973, 10.7023, 11.9159



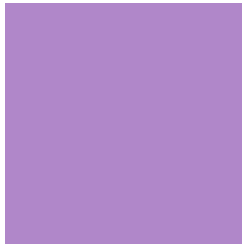
16.0098, 8.1535, 5.2613



0.7932, 0.4001, 0.4341

Previews

White Background



This preview shows how the XYZ color 37.1111, 30.7751, 59.2426 looks on a white background.

Color Contrast Check

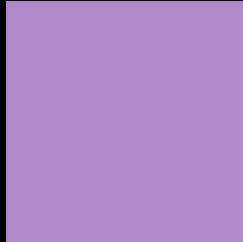
Large Text (above 18pt) WCAG AA × Fail

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 37.1111, 30.7751, 59.2426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

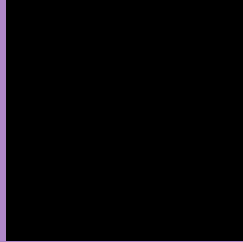
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.1111, 30.7751, 59.2426

Background



This preview shows how black text looks on a background with the XYZ color 37.1111, 30.7751, 59.2426.



This preview shows how white text looks on a background with the XYZ color 37.1111, 30.7751,

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

37.1111, 30.7751, 59.2426

Protanopia

32.1468, 31.1539, 66.6063

Deuteranopia

31.5982, 30.8325, 57.7119



Tritanopia

32.2518, 30.7481, 35.2455

Trichromacy



Original Color

37.1111, 30.7751, 59.2426

Protanomaly

33.5712, 30.7965, 63.8494

Deuteranomaly

33.2681, 30.5407, 58.1744

Tritanomaly

33.9845, 30.7990, 43.1833

Monochromacy



Original Color

37.1111, 30.7751, 59.2426

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

33.1406, 31.9449, 43.4490

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1111, 30.7751, 59.2426 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(176, 135, 201)` looks like.

```
.text, #text, p{  
    color:rgb(176, 135, 201)  
}
```

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(176, 135, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 135, 201) }
```

Border

The CSS property to change the border of an element to XYZ 37.1111, 30.7751, 59.2426 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(176, 135, 201) }
```


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

```
.border{ border-color:rgb(176, 135, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 135, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 135, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 135, 201);  
box-shadow:4px 4px 4px 4px rgb(176, 135,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1111, 30.7751, 59.2426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 135, 201) }
```

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

```
.background{ background-color: rgb(176,  
135, 201) }
```

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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