

# Converting Colors

XYZ(37.7529, 31.4747, 42.6135)

Have a look what the booklet for  
XYZ(37.7529, 31.4747, 42.6135)  
contains.

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# Color

**XYZ(37.7529, 31.4747,  
42.6135)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C087AB
RGB	192, 135, 171
RGB Percent	75%, 53%, 67%
CMY	0.2471, 0.4706, 0.3294
CMYK	0.00, 0.30, 0.11, 0.25
HSL	322°, 31%, 64%
HSV	322°, 30%, 75%
XYZ	37.7529, 31.4747, 42.6135
YIQ	156.1470, 22.4160, 23.2800

# Conversions

## Conversions Part 2

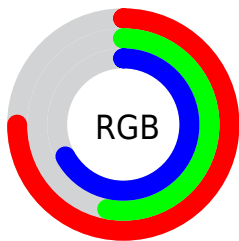
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	192, 135, 171
Decimal	12617643
CIE <sub>Lab</sub>	62.91, 27.43, -10.25
CIE <sub>LCh</sub>	63, 29.281, 339.513
Yxy	31.4747, 0.3376, 0.2814
Android (android.graphics.Color)	4290807723 (0xFFC087AB)
YUV	156.1470, 7.3225, 31.4431
Hunter-Lab	56.1023, 21.9388, -5.7631

# Details

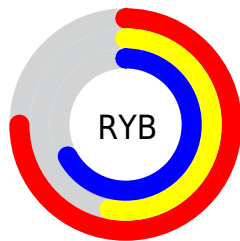
The XYZ color **37.7529, 31.4747, 42.6135** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **34.8434, 45.2514, 38.3525**, and the grayscale version is **31.6277, 33.2748, 36.2362**.

A 20% lighter version of the original color is **70.9920, 62.0259, 80.1820**, and **16.9813, 13.0758, 19.0816** is the 20% darker color. If you saturate the color by 10%, you get **34.6555, 26.3300, 38.3429**, and if you desaturate by 10%, it is **41.3713, 37.6028, 47.2366**.

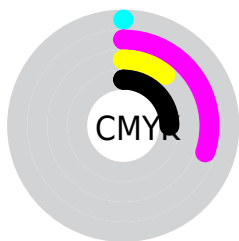
# Distribution



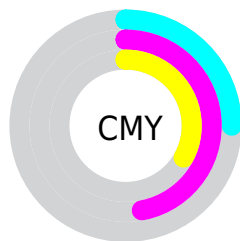
- Red (75%)
- Green (53%)
- Blue (67%)



- Red (75%)
- Yellow (53%)
- Blue (67%)



- Cyan (0%)
- Magenta (30%)
- Yellow (11%)
- Black (25%)




- Cyan (25%)
- Magenta (47%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7529, 31.4747, 42.6135 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 37.7529, 31.4747, 42.6135 by changing the saturation by 10% instead.





 37.7529, 31.4747,  
42.6135


 37.7529, 31.4747,  
42.6135

327.8580,  
308.7193, 372.8943


 25.9673, 20.9606,  
29.2528


 71.0356, 61.9867,  
80.4074

 16.9317, 13.0952,  
19.0249


 93.2634, 82.7533,  
105.6777

 10.2808, 7.4941,  
11.5113

 119.7026,  
107.7063, 135.7549

 5.6492, 3.7730,  
6.2934

150.7187,  
137.2299, 171.0576

 2.6716, 1.5474,  
2.9526

186.6769,  
171.7086, 212.0044

 0.9826, 0.3217,  
1.0705

227.9426,

 0.0000, 0.0000,

211.5269, 259.0137

0.0000

274.8812,  
257.0690, 312.5042

■ 37.7529, 31.4747,  
42.6135

■ 37.7529, 31.4747,  
42.6135

■ 34.6555, 26.3300,  
38.3429

■ 41.3713, 37.6028,  
47.2366

■ 32.0499, 22.1123,  
34.4112

■ 45.5325, 44.7583,  
52.2210

■ 29.9079, 18.7660,  
30.8065

■ 50.2604, 52.9877,  
57.5777

■ 28.1974, 16.2275,  
27.5153

■ 55.5766, 62.3335,  
63.3165

■ 26.8818, 14.4250,  
24.5223

■ 61.5016, 72.8356,  
69.4468

■ 25.9181, 13.2732,  
21.8103

■ 68.0548, 84.5321,  
75.9775

■ 25.2258, 12.6120,  
19.3492

■ 70.4857, 87.9215,  
81.3275

■ 25.2055, 12.5934,  
19.2748

■ 71.4458, 88.3055,  
86.3830

■ 72.4460, 88.7056,  
91.6500

# Harmonies

## Analogous

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



35.1059, 31.4747, 54.3335



37.7529, 31.4747, 42.6135



38.2013, 31.4747, 30.7422

# Triad

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



37.7529, 31.4747, 42.6135



28.6569, 31.4747, 16.7516



24.3421, 31.4747, 50.3654

# Complementary

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



37.7529, 31.4747, 42.6135



34.8434, 45.2514, 38.3525

# 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.



22.9242, 31.4747, 38.0592



37.7529, 31.4747, 42.6135



25.2642, 31.4747, 19.8769

# Square

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



37.7529, 31.4747, 42.6135



32.7023, 31.4747, 17.4405



23.2460, 31.4747, 27.0945



27.2922, 31.4747, 59.4590



# Rectangle

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



37.7529, 31.4747, 42.6135



37.1560, 31.4747, 24.4849



23.2460, 31.4747, 27.0945



23.6830, 31.4747, 46.3678

# Sweetspot

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



37.7538, 31.4761, 42.6142



82.9386, 81.8553, 95.1285



31.8707, 28.1933, 53.6318



17.5403, 17.1233, 20.1137



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.7538, 31.4761, 42.6142



64.4405, 50.4219, 71.8134



35.3310, 30.5070, 29.8559



10.3348, 10.1825, 11.8534



16.9990, 8.4894, 13.1729



0.7668, 0.3797, 0.7392



# Inverse Universe

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



37.7538, 31.4761, 42.6142



64.4405, 50.4219, 71.8134



37.5361, 46.3285, 52.5322



10.3348, 10.1825, 11.8534



16.9990, 8.4894, 13.1729

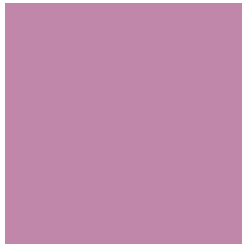


0.7668, 0.3797, 0.7392



# Previews

## White Background



This preview shows how the XYZ color 37.7529, 31.4747, 42.6135 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

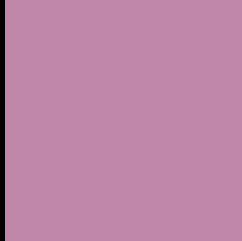
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.7529, 31.4747, 42.6135 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

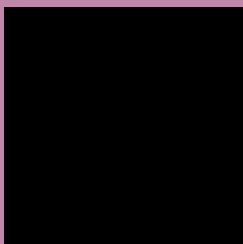
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 37.7529, 31.4747, 42.6135**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.7529, 31.4747, 42.6135.



This preview shows how white text looks on a background with the XYZ color 37.7529, 31.4747,



# 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

37.7529, 31.4747, 42.6135

### Protanopia

31.3642, 31.6216, 48.7065

### Deuteranopia

32.2485, 31.5180, 41.9200



## Tritanopia

35.7239, 31.4861, 33.0487

# Trichromacy



## Original Color

37.7529, 31.4747, 42.6135

## Protanomaly

33.2655, 31.2517, 46.3984

## Deuteranomaly

34.0914, 31.3179, 42.2783

## Tritanomaly

36.4952, 31.5927, 36.5223

# Monochromacy



## Original Color

37.7529, 31.4747, 42.6135

## Achromatopsia

31.5995, 33.2452, 36.2040

## Achromatomaly

33.3851, 32.1880, 38.1715

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.7529, 31.4747, 42.6135 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(192, 135, 171)` looks like.

```
.text, #text, p{  
    color:rgb(192, 135, 171)  
}
```

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(192, 135, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 135, 171) }
```

## Border

The CSS property to change the border of an element to XYZ 37.7529, 31.4747, 42.6135 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(192, 135, 171) }
```



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

```
.border{ border-color:rgb(192, 135, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 135, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 135, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 135, 171);  
box-shadow:4px 4px 4px 4px rgb(192, 135,  
171) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.7529, 31.4747, 42.6135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 135, 171) }
```

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

```
.background{ background-color: rgb(192,  
135, 171) }
```

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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