

Converting Colors

XYZ(37.8970, 31.2520, 46.6827)

Have a look what the booklet for
XYZ(37.8970, 31.2520, 46.6827)
contains.

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Color

**XYZ(37.8970, 31.2520,
46.6827)**

Conversions

Conversions Part 1

Format	Color
Hex	BE86B3
RGB	190, 134, 179
RGB Percent	75%, 53%, 70%
CMY	0.2549, 0.4745, 0.2980
CMYK	0.00, 0.29, 0.06, 0.25
HSL	312°, 30%, 64%
HSV	312°, 29%, 75%
XYZ	37.8970, 31.2520, 46.6827
YIQ	155.8740, 18.9310, 25.8670

Conversions

Conversions Part 2

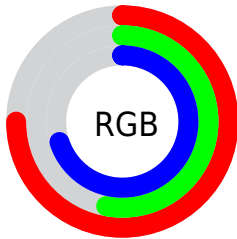
Format	Color
R _Y B	190, 134, 179
Decimal	12486323
CIE Lab	62.72, 28.70, -15.09
CIE LCh	63, 32.423, 332.272
Yxy	31.2520, 0.3272, 0.2698
Android (android.graphics.Color)	4290676403 (0xFFBE86B3)
YUV	155.8740, 11.4011, 29.9285
Hunter-Lab	55.9035, 23.1741, -10.3782

Details

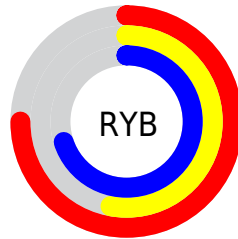
The XYZ color **37.8970, 31.2520, 46.6827** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **33.3571, 43.9406, 33.5132**, and the grayscale version is **31.4895, 33.1294, 36.0779**.

A 20% lighter version of the original color is **71.3364, 61.7388, 86.7542**, and **17.0125, 12.9271, 21.3372** is the 20% darker color. If you saturate the color by 10%, you get **35.1310, 26.3154, 43.9236**, and if you desaturate by 10%, it is **41.1470, 37.1390, 49.6542**.

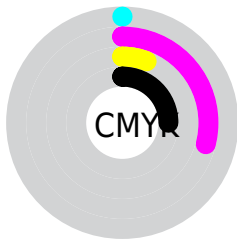
Distribution



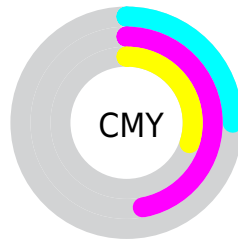
- Red (75%)
- Green (53%)
- Blue (70%)



- Red (75%)
- Yellow (53%)
- Blue (70%)



- Cyan (0%)
- Magenta (29%)
- Yellow (6%)
- Black (25%)





- Cyan (25%)
- Magenta (47%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8970, 31.2520, 46.6827 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 37.8970, 31.2520, 46.6827 by changing the saturation by 10% instead.


 37.8970, 31.2520,
46.6827


 37.8970, 31.2520,
46.6827

328.4664,
307.6976, 389.9036


 26.0796, 20.7908,
32.4323


 71.2552, 61.6366,
86.5848

 17.0162, 12.9712,
21.4244

 93.5266, 82.3288,
113.0737

 10.3414, 7.4087,
13.2403


 120.0135,
107.2002, 144.4791

 5.6899, 3.7190,
7.4616

151.0811,
136.6350, 181.2196

 2.6963, 1.5176,
3.6696

187.0949,
171.0178, 223.7138

 0.9953, 0.3011,
1.4459

228.4201,

 0.0000, 0.0000,

210.7329, 272.3801

0.1771

275.4222,
256.1647, 327.6372

■ 0.0000, 0.0000,
0.0000

■ 37.8970, 31.2520,
46.6827

■ 37.8970, 31.2520,
46.6827

■ 35.1310, 26.3154,
43.9236

■ 41.1470, 37.1390,
49.6542

■ 32.8206, 22.2745,
41.3660

■ 44.9014, 44.0191,
52.8444

■ 30.9392, 19.0754,
39.0011

■ 49.1833, 51.9373,
56.2616

■ 29.4560, 16.6567,
36.8182

■ 54.0131, 60.9348,
59.9130

■ 28.3360, 14.9485,
34.8051

■ 59.4104, 71.0503,
63.8054

■ 27.5379, 13.8686,
32.9477

■ 65.3937, 82.3209,
67.9456

■ 26.9857, 13.2648,
31.2204

■ 68.0304, 86.8813,
71.0229

■ 26.9586, 13.2365,
31.1311

■ 68.4869, 87.0638,
73.4265

■ 68.9541, 87.2507,
75.8871

Harmonies

Analogous

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



34.4866, 31.2520, 59.0933



37.8970, 31.2520, 46.6827



39.0509, 31.2520, 33.0705

Triad

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



37.8970, 31.2520, 46.6827



29.3678, 31.2520, 15.0141



23.0703, 31.2520, 48.7808

Complementary

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



37.8970, 31.2520, 46.6827



33.3571, 43.9406, 33.5132

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.



21.9821, 31.2520, 35.0041



37.8970, 31.2520, 46.6827



25.3855, 31.2520, 17.2929

Square

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



37.8970, 31.2520, 46.6827



33.8448, 31.2520, 16.6845



22.7863, 31.2520, 23.8959



25.9157, 31.2520, 60.5011

Rectangle

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



37.8970, 31.2520, 46.6827



38.3014, 31.2520, 25.5969



22.7863, 31.2520, 23.8959



22.5004, 31.2520, 44.1330

Sweetspot

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



37.8980, 31.2534, 46.6834



81.6046, 80.2058, 95.9559



29.3690, 26.7228, 52.3260



17.6854, 17.1813, 20.8779



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.



37.8980, 31.2534, 46.6834



65.5185, 50.9824, 81.5033



35.4071, 30.2571, 33.5668



9.8474, 9.6633, 11.5856



17.9537, 8.8127, 20.8478



0.7242, 0.3536, 0.9267

Inverse Universe

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



37.8980, 31.2534, 46.6834



65.5185, 50.9824, 81.5033



35.7182, 44.8850, 45.9463



9.8474, 9.6633, 11.5856



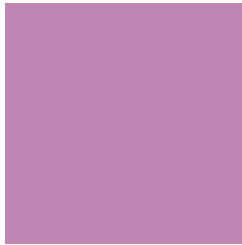
17.9537, 8.8127, 20.8478



0.7242, 0.3536, 0.9267

Previews

White Background



This preview shows how the XYZ color 37.8970, 31.2520, 46.6827 looks on a white background.

Color Contrast Check

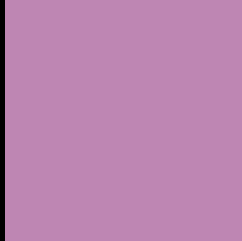
Large Text (above 18pt) WCAG AA × Fail

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 37.8970, 31.2520, 46.6827 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 37.8970, 31.2520, 46.6827

Background



This preview shows how black text looks on a background with the XYZ color 37.8970, 31.2520, 46.6827.



This preview shows how white text looks on a background with the XYZ color 37.8970, 31.2520,

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

37.8970, 31.2520, 46.6827

Protanopia

31.3559, 31.2812, 53.1004

Deuteranopia

31.9439, 31.2830, 45.4289



Tritanopia

34.9873, 31.1063, 33.0143

Trichromacy



Original Color

37.8970, 31.2520, 46.6827

Protanomaly

33.1343, 30.8626, 50.6651

Deuteranomaly

33.9067, 31.1441, 45.8193

Tritanomaly

35.8722, 31.0293, 37.8168

Monochromacy



Original Color

37.8970, 31.2520, 46.6827

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

33.4392, 32.1850, 39.5718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8970, 31.2520, 46.6827 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(190, 134, 179)` looks like.

```
.text, #text, p{  
    color:rgb(190, 134, 179)  
}
```

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(190, 134, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 134, 179) }
```

Border

The CSS property to change the border of an element to XYZ 37.8970, 31.2520, 46.6827 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(190, 134, 179) }
```


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

```
.border{ border-color:rgb(190, 134, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 134, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 134, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 134, 179);  
box-shadow:4px 4px 4px 4px rgb(190, 134,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8970, 31.2520, 46.6827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 134, 179) }
```

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

```
.background{ background-color: rgb(190,  
134, 179) }
```

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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