

Converting Colors

XYZ(37.5081, 31.8059, 47.6615)

Have a look what the booklet for
XYZ(37.5081, 31.8059, 47.6615)
contains.

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Color

**XYZ(37.6787, 31.9523,
47.8976)**

Conversions

Conversions Part 1

Format	Color
Hex	BA8AB5
RGB	186, 138, 181
RGB Percent	73%, 54%, 71%
CMY	0.2706, 0.4588, 0.2902
CMYK	0.00, 0.26, 0.03, 0.27
HSL	306°, 26%, 64%
HSV	306°, 26%, 73%
XYZ	37.6787, 31.9523, 47.8976
YIQ	157.2540, 14.8050, 23.5490

Conversions

Conversions Part 2

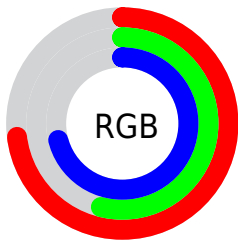
Format	Color
RYB	186, 138, 181
Decimal	12225205
CIELab	63.30, 25.48, -15.38
CIELCh	63, 29.757, 328.886
Yxy	31.9523, 0.3206, 0.2719
Android (android.graphics.Color)	4290415285 (0xFFBA8AB5)
YUV	157.2540, 11.7068, 25.2102
Hunter-Lab	56.5264, 20.0614, -10.6709

Details

The XYZ color **37.6787, 31.9523, 47.8976** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **32.9994, 42.5053, 32.4536**, and the grayscale version is **32.1073, 33.7793, 36.7857**.

A 20% lighter version of the original color is **71.0978, 62.8684, 88.5083**, and **16.8202, 13.2804, 22.0989** is the 20% darker color. If you saturate the color by 10%, you get **35.0381, 26.9866, 46.0435**, and if you desaturate by 10%, it is **40.7810, 37.8359, 49.9199**.

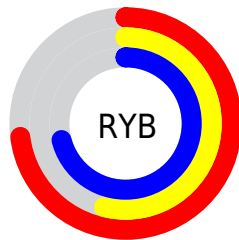
Distribution



Red (73%)

Green (54%)

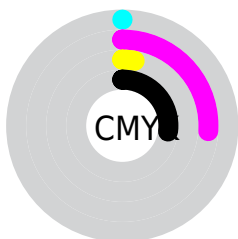
Blue (71%)



Red (73%)

Yellow (54%)

Blue (71%)

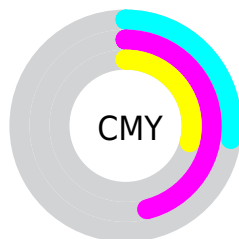


Cyan (0%)

Magenta (26%)

Yellow (3%)

Black (27%)



Cyan (27%)


Magenta (46%)

Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.6787, 31.9523, 47.8976 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 37.6787, 31.9523, 47.8976 by changing the saturation by 10% instead.


 37.6787, 31.9523,
47.8976


 37.6787, 31.9523,
47.8976

327.5444,
310.9019, 394.8831


 25.9095, 21.3251,
33.3864


 70.9225, 62.7363,
88.4159

 16.8883, 13.3618,
22.1491


 93.1278, 83.6619,
115.2600

 10.2497, 7.6782,
13.7671


 119.5425,
108.7890, 147.0522

 5.6283, 3.8897,
7.8220

150.5319,
138.5021, 184.2111

 2.6589, 1.6121,
3.8951

186.4615,
173.1855, 227.1550

 0.9761, 0.3657,
1.5680

227.6965,

 0.0000, 0.0000,

213.2237, 276.3026

0.2678

274.6024,
259.0010, 332.0725

■ 0.0000, 0.0000,
0.0000

■ 37.6787, 31.9523,
47.8976

■ 37.6787, 31.9523,
47.8976

■ 35.0381, 26.9866,
46.0435

■ 40.7810, 37.8359,
49.9199

■ 32.8330, 22.8880,
44.3478

■ 44.3637, 44.6765,
52.1158

■ 31.0390, 19.6072,
42.8027

■ 48.4481, 52.5159,
54.4926

■ 29.6282, 17.0883,
41.3988

■ 53.0532, 61.3923,
57.0567

■ 28.5690, 15.2685,
40.1256

■ 58.1971, 71.3418,
59.8144

■ 27.8250, 14.0747,
38.9708

■ 63.8971, 82.3990,
62.7713

■ 27.3502, 13.4148,
37.9190

■ 65.8112, 85.8797,
64.4802

■ 27.1903, 13.2154,
37.4948

■ 66.0312, 85.9677,
65.6384

■ 66.2539, 86.0568,
66.8117

Harmonies

Analogous

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



34.3645, 31.9523, 58.7097



37.6787, 31.9523, 47.8976



39.0097, 31.9523, 35.2340

Triad

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



37.6787, 31.9523, 47.8976



30.5241, 31.9523, 16.6634



23.9411, 31.9523, 46.9575

Complementary

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



37.6787, 31.9523, 47.8976



32.9994, 42.5053, 32.4536

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.



23.1101, 31.9523, 34.3510



37.6787, 31.9523, 47.8976



26.6972, 31.9523, 18.4512

Square

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



37.6787, 31.9523, 47.8976



34.6552, 31.9523, 18.7420



24.0729, 31.9523, 24.3236



26.4529, 31.9523, 58.0862

Rectangle

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



37.6787, 31.9523, 47.8976



38.5091, 31.9523, 27.9439



24.0729, 31.9523, 24.3236



23.4665, 31.9523, 42.6733

Sweetspot

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



37.6797, 31.9537, 47.8983



78.8193, 77.9324, 93.5063



29.2460, 27.5456, 50.2304



17.1349, 16.7368, 20.4567



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



37.6797, 31.9537, 47.8983



65.4631, 52.5799, 84.8621



35.4423, 31.0587, 36.1162



9.3395, 9.1462, 11.1353



18.3088, 8.8973, 25.3108



0.6571, 0.3183, 0.9538

Inverse Universe

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



37.6797, 31.9537, 47.8983



65.4631, 52.5799, 84.8621



34.9979, 43.3047, 42.9776



9.3395, 9.1462, 11.1353



18.3088, 8.8973, 25.3108



0.6571, 0.3183, 0.9538

Previews

White Background



This preview shows how the XYZ color 37.6787, 31.9523, 47.8976 looks on a white background.

Color Contrast Check

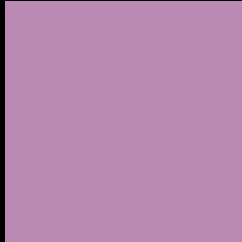
Large Text (above 18pt) WCAG AA × Fail

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 37.6787, 31.9523, 47.8976 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 37.6787, 31.9523, 47.8976

Background



This preview shows how black text looks on a background with the XYZ color 37.6787, 31.9523, 47.8976.



This preview shows how white text looks on a background with the XYZ color 37.6787, 31.9523,

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

37.6787, 31.9523, 47.8976

Protanopia

32.1338, 32.1474, 53.8016

Deuteranopia

32.7533, 32.1353, 47.1243



Tritanopia

34.9466, 31.9231, 34.8917

Trichromacy



Original Color

37.6787, 31.9523, 47.8976

Protanomaly

33.7014, 31.8262, 51.3805

Deuteranomaly

34.4535, 32.0685, 47.5540

Tritanomaly

35.7542, 31.7974, 39.3750

Monochromacy



Original Color

37.6787, 31.9523, 47.8976

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

33.9377, 32.8907, 40.6362

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6787, 31.9523, 47.8976 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(186, 138, 181)` looks like.

```
.text, #text, p{  
    color:rgb(186, 138, 181)  
}
```

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(186, 138, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 138, 181) }
```

Border

The CSS property to change the border of an element to XYZ 37.6787, 31.9523, 47.8976 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(186, 138, 181) }
```


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

```
.border{ border-color:rgb(186, 138, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 138, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 138, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 138, 181);  
box-shadow:4px 4px 4px 4px rgb(186, 138,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6787, 31.9523, 47.8976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 138, 181) }
```

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

```
.background{ background-color: rgb(186,  
138, 181) }
```

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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