

Converting Colors

XYZ(37.8125, 31.1399, 52.2948)

Have a look what the booklet for
XYZ(37.8125, 31.1399, 52.2948)
contains.

XYZ(37.7180, 31.0386, 52.1472)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.7180, 31.0386,
52.1472)**

Conversions

Conversions Part 1

Format	Color
Hex	B986BD
RGB	185, 134, 189
RGB Percent	73%, 53%, 74%
CMY	0.2745, 0.4745, 0.2588
CMYK	0.02, 0.29, 0.00, 0.26
HSL	296°, 29%, 63%
HSV	296°, 29%, 74%
XYZ	37.7180, 31.0386, 52.1472
YIQ	155.5190, 12.7410, 27.9170

Conversions

Conversions Part 2

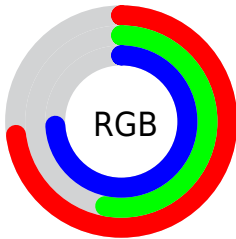
Format	Color
RYB	185, 134, 189
Decimal	12158653
CIELab	62.54, 28.89, -21.06
CIELCh	63, 35.757, 323.907
Yxy	31.0386, 0.3120, 0.2567
Android (android.graphics.Color)	4290348733 (0xFFB986BD)
YUV	155.5190, 16.5061, 25.8548
Hunter-Lab	55.7123, 23.3505, -16.4974

Details

The XYZ color **37.7180, 31.0386, 52.1472** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **32.9829, 43.5204, 29.2177**, and the grayscale version is **31.3117, 32.9423, 35.8742**.

A 20% lighter version of the original color is **71.0826, 61.4363, 94.4981**, and **16.8973, 12.7894, 24.8706** is the 20% darker color. If you saturate the color by 10%, you get **35.0059, 26.1037, 51.3381**, and if you desaturate by 10%, it is **40.9021, 36.9115, 53.1134**.

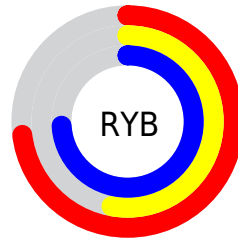
Distribution



Red (73%)

Green (53%)

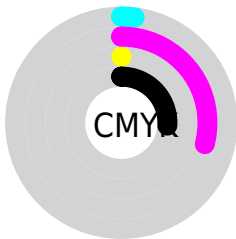
Blue (74%)



Red (73%)

Yellow (53%)

Blue (74%)

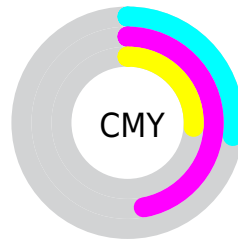


Cyan (2%)

Magenta (29%)

Yellow (0%)

Black (26%)



Cyan (27%)


Magenta (47%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7180, 31.0386, 52.1472 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 37.7180, 31.0386, 52.1472 by changing the saturation by 10% instead.


 37.7180, 31.0386,
52.1472


 37.7180, 31.0386,
52.1472

327.7105,
306.7161, 411.9777

 25.9401, 20.6282,
36.7394


 70.9824, 61.3008,
94.7771

 16.9113, 12.8525,
24.7116

 93.1996, 81.9215,
122.8362

 10.2662, 7.3271,
15.6452


 119.6273,
106.7144, 155.9495

 5.6394, 3.6675,
9.1218

150.6308,
136.0639, 194.5356

 2.6656, 1.4894,
4.7228

186.5756,
170.3545, 239.0129

 0.9795, 0.2812,
2.0297

227.8269,

 0.0000, 0.0000,

209.9704, 289.8000

0.5734

274.7501,
255.2962, 347.3154

■ 0.0000, 0.0000,
0.0000

■ 37.7180, 31.0386,
52.1472

■ 37.7180, 31.0386,
52.1472

■ 35.0059, 26.1037,
51.3381

■ 40.9021, 36.9115,
53.1134

■ 32.7380, 22.0530,
50.6757

■ 44.5783, 43.7644,
54.2424

■ 30.8881, 18.8336,
50.1518

■ 48.7690, 51.6417,
55.5420

■ 29.4259, 16.3850,
49.7563

■ 53.4945, 60.5838,
57.0189

■ 28.3173, 14.6388,
49.4776

■ 58.7740, 70.6289,
58.6796

■ 27.5220, 13.5144,
49.3025

■ 64.6256, 81.8135,
60.5300

■ 26.9686, 12.8692,
49.2072

■ 67.3536, 86.7460,
61.3383

■ 26.9222, 12.8178,
49.1997

■ 67.7095, 86.9295,
61.3550

■ 68.0687, 87.1146,
61.3718

Harmonies

Analogous

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



33.4540, 31.0386, 64.6540



37.7180, 31.0386, 52.1472



39.8067, 31.0386, 36.7176

Triad

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



37.7180, 31.0386, 52.1472



30.5046, 31.0386, 13.5531



21.7540, 31.0386, 45.8476

Complementary

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



37.7180, 31.0386, 52.1472



32.9829, 43.5204, 29.2177

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.



21.1482, 31.0386, 31.0332



37.7180, 31.0386, 52.1472



25.8728, 31.0386, 14.7538

Square

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



37.7180, 31.0386, 52.1472



35.3578, 31.0386, 16.4502



22.5739, 31.0386, 20.3508



24.3300, 31.0386, 60.3732

Rectangle

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



37.7180, 31.0386, 52.1472



39.5372, 31.0386, 27.7609



22.5739, 31.0386, 20.3508



21.3259, 31.0386, 40.6474

Sweetspot

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



37.7190, 31.0400, 52.1479



79.8071, 78.3217, 97.1375



28.1905, 27.0887, 51.8874



16.9438, 16.4341, 20.8216



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.



37.7190, 31.0400, 52.1479



64.3211, 49.6938, 92.4280



36.4029, 30.6266, 40.1104



9.8596, 9.6600, 12.0171



18.1417, 8.6385, 33.1041



0.7313, 0.3490, 1.2977

Inverse Universe

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



34.0998, 29.7053, 27.9825



56.8287, 46.9435, 41.8307



34.1089, 43.8958, 38.5372



9.5576, 9.5473, 10.0592



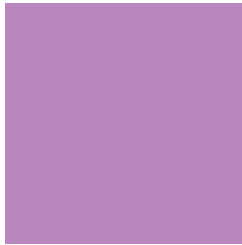
14.1836, 7.3046, 0.9943



0.5653, 0.2900, 0.0901

Previews

White Background



This preview shows how the XYZ color 37.7180, 31.0386, 52.1472 looks on a white background.

Color Contrast Check

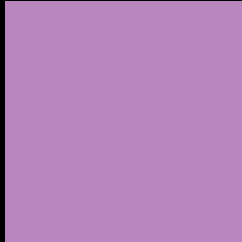
Large Text (above 18pt) WCAG AA × Fail

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 37.7180, 31.0386, 52.1472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

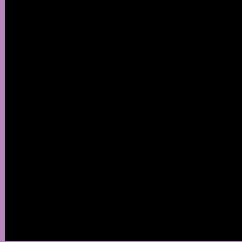
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.7180, 31.0386, 52.1472

Background



This preview shows how black text looks on a background with the XYZ color 37.7180, 31.0386, 52.1472.



This preview shows how white text looks on a background with the XYZ color 37.7180, 31.0386,

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

37.7180, 31.0386, 52.1472

Protanopia

31.8129, 31.3861, 59.0250

Deuteranopia

31.8473, 31.1145, 50.7815



Tritanopia

34.0148, 31.0200, 33.9005

Trichromacy



Original Color

37.7180, 31.0386, 52.1472

Protanomaly

33.4546, 30.9006, 56.4257

Deuteranomaly

33.6924, 30.9142, 51.2050

Tritanomaly

35.1714, 30.8387, 39.6960

Monochromacy



Original Color

37.7180, 31.0386, 52.1472

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

33.5941, 32.2225, 41.4947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7180, 31.0386, 52.1472 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(185, 134, 189)` looks like.

```
.text, #text, p{  
    color:rgb(185, 134, 189)  
}
```

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(185, 134, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 134, 189) }
```

Border

The CSS property to change the border of an element to XYZ 37.7180, 31.0386, 52.1472 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(185, 134, 189) }
```


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

```
.border{ border-color:rgb(185, 134, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 134, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 134, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 134, 189);  
box-shadow:4px 4px 4px 4px rgb(185, 134,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7180, 31.0386, 52.1472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 134, 189) }
```

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

```
.background{ background-color: rgb(185,  
134, 189) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor