

Converting Colors

XYZ(37.4720, 30.8441, 50.4642)

Have a look what the booklet for
XYZ(37.4720, 30.8441, 50.4642)
contains.

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Color

**XYZ(37.5002, 30.7593,
50.4150)**

Conversions

Conversions Part 1

Format	Color
Hex	BA85BA
RGB	186, 133, 186
RGB Percent	73%, 52%, 73%
CMY	0.2706, 0.4784, 0.2706
CMYK	0.00, 0.28, 0.00, 0.27
HSL	300°, 28%, 63%
HSV	300°, 28%, 73%
XYZ	37.5002, 30.7593, 50.4150
YIQ	154.8890, 14.5750, 27.7190

Conversions

Conversions Part 2

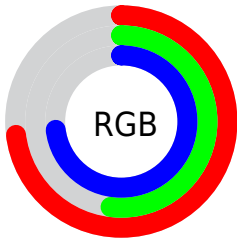
Format	Color
RYB	186, 133, 186
Decimal	12223930
CIELab	62.30, 29.20, -19.72
CIELCh	62, 35.238, 325.971
Yxy	30.7593, 0.3160, 0.2592
Android (android.graphics.Color)	4290414010 (0xFFBA85BA)
YUV	154.8890, 15.3377, 27.2843
Hunter-Lab	55.4611, 23.6365, -15.0728

Details

The XYZ color **37.5002, 30.7593, 50.4150** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **31.4667, 41.7989, 28.6016**, and the grayscale version is **31.0373, 32.6536, 35.5598**.

A 20% lighter version of the original color is **70.7595, 61.0061, 92.0503**, and **16.7667, 12.6336, 23.7451** is the 20% darker color. If you saturate the color by 10%, you get **35.1760, 26.1104, 49.6404**, and if you desaturate by 10%, it is **40.2772, 36.3127, 51.3412**.

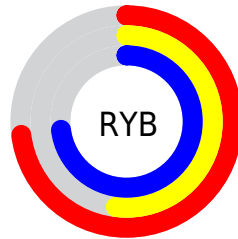
Distribution



Red (73%)

Green (52%)

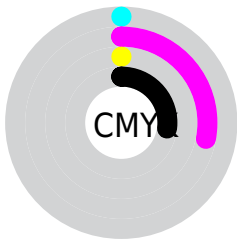
Blue (73%)



Red (73%)

Yellow (52%)

Blue (73%)

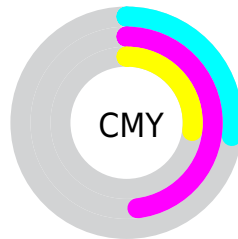


Cyan (0%)

Magenta (28%)

Yellow (0%)

Black (27%)



Cyan (27%)


Magenta (48%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5002, 30.7593, 50.4150 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 37.5002, 30.7593, 50.4150 by changing the saturation by 10% instead.


 37.5002, 30.7593,
50.4150


 37.5002, 30.7593,
50.4150

326.7891,
305.4279, 405.0681


 25.7705, 20.4156,
35.3698


 70.6503, 60.8609,
92.1921

 16.7838, 12.6975,
23.6620


 92.8013, 81.3876,
119.7610

 10.1748, 7.2206,
14.8732


 119.1568,
106.0775, 152.3416

 5.5782, 3.6004,
8.5848

150.0822,
135.3149, 190.3524

 2.6285, 1.4527,
4.3783

185.9428,
169.4843, 234.2119

 0.9605, 0.2551,
1.8351

227.1039,

 0.0000, 0.0000,

208.9700, 284.3386

0.4509

273.9309,
254.1564, 341.1512

■ 0.0000, 0.0000,
0.0000

■ 37.5002, 30.7593,
50.4150

■ 37.5002, 30.7593,
50.4150

■ 35.1760, 26.1104,
49.6404

■ 40.2772, 36.3127,
51.3412

■ 33.2780, 22.3144,
49.0076

■ 43.5262, 42.8106,
52.4243

■ 31.7811, 19.3207,
48.5085

■ 47.2687, 50.2957,
53.6720

■ 30.6566, 17.0718,
48.1335

■ 51.5242, 58.8065,
55.0906

■ 29.8718, 15.5022,
47.8717

■ 56.3109, 68.3799,
56.6864

■ 29.3885, 14.5357,
47.7105

■ 61.6463, 79.0506,
58.4650

■ 29.1433, 14.0453,
47.6286

■ 64.8733, 85.5046,
59.5408

■ 29.1129, 13.9844,
47.6184

■ 64.8734, 85.5046,
59.5410

■ 64.8734, 85.5046,
59.5412

Harmonies

Analogous

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



33.4319, 30.7593, 63.0328



37.5002, 30.7593, 50.4150



39.3544, 30.7593, 35.3680

Triad

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



37.5002, 30.7593, 50.4150



29.8838, 30.7593, 13.5517



21.7521, 30.7593, 46.3387

Complementary

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



37.5002, 30.7593, 50.4150



31.4667, 41.7989, 28.6016

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.



21.0198, 30.7593, 31.6828



37.5002, 30.7593, 50.4150



25.4063, 30.7593, 15.0148

Square

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



37.5002, 30.7593, 50.4150



34.6653, 30.7593, 16.1201



22.2846, 30.7593, 20.8553



24.4051, 30.7593, 60.2658

Rectangle

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



37.5002, 30.7593, 50.4150



38.9524, 30.7593, 26.7816



22.2846, 30.7593, 20.8553



21.2864, 30.7593, 41.2382

Sweetspot

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



37.5012, 30.7606, 50.4157



78.4792, 76.7690, 94.8827



26.9247, 25.3082, 49.9212



17.0823, 16.5055, 20.8280



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.



37.5012, 30.7606, 50.4157



65.3191, 50.4490, 90.4953



34.9399, 29.7361, 36.9282



9.3810, 9.1628, 11.3536



19.5859, 9.4081, 32.0356



0.6905, 0.3317, 1.1293

Inverse Universe

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



37.5012, 30.7606, 50.4157



65.3191, 50.4490, 90.4953



33.5345, 42.6261, 39.4903



9.3810, 9.1628, 11.3536



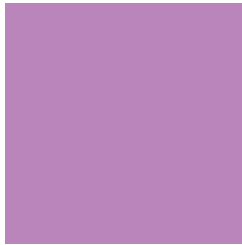
19.5859, 9.4081, 32.0356



0.6905, 0.3317, 1.1293

Previews

White Background



This preview shows how the XYZ color 37.5002, 30.7593, 50.4150 looks on a white background.

Color Contrast Check

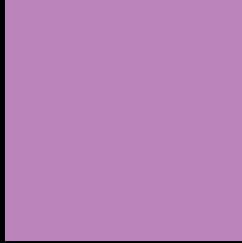
Large Text (above 18pt) WCAG AA × Fail

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 37.5002, 30.7593, 50.4150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

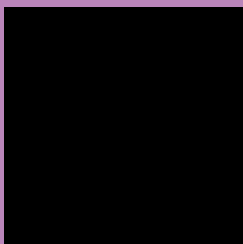
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.5002, 30.7593, 50.4150

Background



This preview shows how black text looks on a background with the XYZ color 37.5002, 30.7593, 50.4150.



This preview shows how white text looks on a background with the XYZ color 37.5002, 30.7593,

50.4150.

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

37.5002, 30.7593, 50.4150

Protanopia

31.4217, 30.9754, 57.7488

Deuteranopia

31.5316, 30.9883, 49.1192



Tritanopia

34.0201, 30.8143, 33.4329

Trichromacy



Original Color

37.5002, 30.7593, 50.4150

Protanomaly

33.0776, 30.5085, 55.1843

Deuteranomaly

33.3745, 30.7870, 49.5309

Tritanomaly

35.1749, 30.6389, 39.1819

Monochromacy



Original Color

37.5002, 30.7593, 50.4150

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

33.0425, 31.7276, 40.4589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5002, 30.7593, 50.4150 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, 133, 186)` looks like.

```
.text, #text, p{  
    color:rgb(186, 133, 186)  
}
```

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, 133, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 133, 186) }
```

Border

The CSS property to change the border of an element to XYZ 37.5002, 30.7593, 50.4150 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, 133, 186) }
```


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

```
.border{ border-color:rgb(186, 133, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 133, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 133, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 133, 186);  
box-shadow:4px 4px 4px 4px rgb(186, 133,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5002, 30.7593, 50.4150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 133, 186) }
```

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

```
.background{ background-color: rgb(186,  
133, 186) }
```

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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