

Converting Colors

XYZ(36.7385, 30.7892, 43.4930)

Have a look what the booklet for
XYZ(36.7385, 30.7892, 43.4930)
contains.

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Color

**XYZ(36.8070, 30.7587,
43.5322)**

Conversions

Conversions Part 1

Format	Color
Hex	BC86AD
RGB	188, 134, 173
RGB Percent	74%, 53%, 68%
CMY	0.2627, 0.4745, 0.3216
CMYK	0.00, 0.29, 0.08, 0.26
HSL	317°, 29%, 63%
HSV	317°, 29%, 74%
XYZ	36.8070, 30.7587, 43.5322
YIQ	154.5920, 19.6650, 23.5770

Conversions

Conversions Part 2

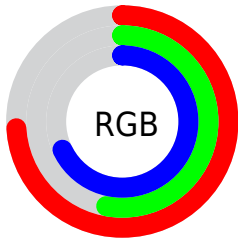
Format	Color
RYB	188, 134, 173
Decimal	12355245
CIELab	62.30, 26.93, -12.33
CIELCh	62, 29.621, 335.398
Yxy	30.7587, 0.3313, 0.2769
Android (android.graphics.Color)	4290545325 (0xFFBC86AD)
YUV	154.5920, 9.0751, 29.2988
Hunter-Lab	55.4605, 21.4076, -7.7157

Details

The XYZ color **36.8070, 30.7587, 43.5322** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **33.2409, 43.2057, 35.0233**, and the grayscale version is **30.9315, 32.5423, 35.4386**.

A 20% lighter version of the original color is **69.6430, 60.9804, 81.4986**, and **16.4530, 12.7895, 19.6906** is the 20% darker color. If you saturate the color by 10%, you get **33.9406, 25.8185, 40.1321**, and if you desaturate by 10%, it is **40.1569, 36.6334, 47.1917**.

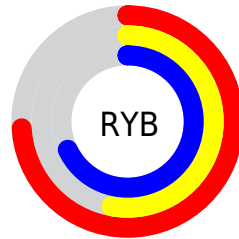
Distribution



Red (74%)

Green (53%)

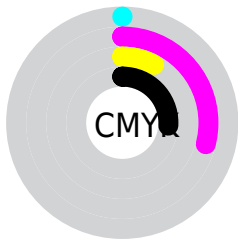
Blue (68%)



Red (74%)

Yellow (53%)

Blue (68%)

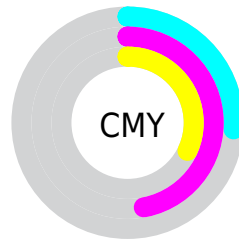


Cyan (0%)

Magenta (29%)

Yellow (8%)

Black (26%)



Cyan (26%)


Magenta (47%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8070, 30.7587, 43.5322 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 36.8070, 30.7587, 43.5322 by changing the saturation by 10% instead.


 36.8070, 30.7587,
43.5322


 36.8070, 30.7587,
43.5322


323.8442,
305.4251, 376.7812


 25.2311, 20.4152,
29.9684


 69.5916, 60.8600,
81.8083

 16.3790, 12.6972,
19.5628


 91.5310, 81.3865,
107.3577

 9.8853, 7.2204,
11.8967


 117.6556,
106.0762, 137.7394

 5.3846, 3.6003,
6.5517

148.3308,
135.3133, 173.3720

 2.5117, 1.4526,
3.1092

183.9219,
169.4824, 214.6739

 0.9012, 0.2550,
1.1507

224.7943,

 0.0000, 0.0000,

208.9678, 262.0637

0.0000

271.3133,
254.1539, 315.9599

■ 36.8070, 30.7587,
43.5322

■ 36.8070, 30.7587,
43.5322

■ 33.9406, 25.8185,
40.1321

■ 40.1569, 36.6334,
47.1917

■ 31.5302, 21.7596,
36.9800

■ 44.0105, 43.4838,
51.1172

■ 29.5499, 18.5299,
34.0666

■ 48.3900, 51.3538,
55.3177

■ 27.9697, 16.0699,
31.3806

■ 53.3155, 60.2832,
59.8009

■ 26.7559, 14.3124,
28.9098

■ 58.8062, 70.3099,
64.5742

■ 25.8686, 13.1783,
26.6396

■ 64.8801, 81.4697,
69.6446

■ 25.2408, 12.5339,
24.5465

■ 68.0774, 86.8427,
73.8598

■ 25.1672, 12.4627,
24.2875

■ 68.7371, 87.1066,
77.3339

■ 69.4183, 87.3791,
80.9208

Harmonies

Analogous

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



33.9243, 30.7587, 54.8658



36.8070, 30.7587, 43.5322



37.5874, 30.7587, 31.4598

Triad

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



36.8070, 30.7587, 43.5322



28.5171, 30.7587, 15.9892



23.3990, 30.7587, 47.9517

Complementary

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



36.8070, 30.7587, 43.5322



33.2409, 43.2057, 35.0233

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.



22.2222, 30.7587, 35.6078



36.8070, 30.7587, 43.5322



24.9994, 30.7587, 18.5438

Square

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



36.8070, 30.7587, 43.5322



32.5582, 30.7587, 17.1804



22.7803, 30.7587, 25.1264



26.1464, 30.7587, 57.7984

Rectangle

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



36.8070, 30.7587, 43.5322



36.7544, 30.7587, 24.8980



22.7803, 30.7587, 25.1264



22.8186, 30.7587, 43.8634

Sweetspot

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



36.8079, 30.7601, 43.5328



79.4448, 78.2410, 92.3281



29.8888, 27.0159, 51.2169



16.8540, 16.4142, 19.6258



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.



36.8079, 30.7601, 43.5328



63.5725, 50.3219, 75.2436



34.5004, 29.8371, 31.3817



9.8138, 9.6498, 11.4086



17.1677, 8.4982, 16.7087



0.6989, 0.3434, 0.7935

Inverse Universe

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



36.8079, 30.7601, 43.5328



63.5725, 50.3219, 75.2436



35.5931, 44.1466, 47.4099



9.8138, 9.6498, 11.4086



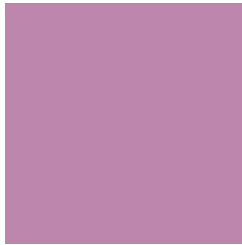
17.1677, 8.4982, 16.7087



0.6989, 0.3434, 0.7935

Previews

White Background



This preview shows how the XYZ color 36.8070, 30.7587, 43.5322 looks on a white background.

Color Contrast Check

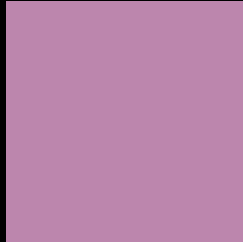
Large Text (above 18pt) WCAG AA × Fail

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 36.8070, 30.7587, 43.5322 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 36.8070, 30.7587, 43.5322

Background



This preview shows how black text looks on a background with the XYZ color 36.8070, 30.7587, 43.5322.



This preview shows how white text looks on a background with the XYZ color 36.8070, 30.7587,

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

36.8070, 30.7587, 43.5322

Protanopia

30.7813, 31.0712, 49.1747

Deuteranopia

31.4947, 30.8756, 42.8277



Tritanopia

34.5209, 30.6612, 32.5325

Trichromacy



Original Color

36.8070, 30.7587, 43.5322

Protanomaly

32.4080, 30.5721, 46.8407

Deuteranomaly

33.2678, 30.6494, 43.1922

Tritanomaly

35.3669, 30.7990, 36.4285

Monochromacy



Original Color

36.8070, 30.7587, 43.5322

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

32.8917, 31.6916, 38.5659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8070, 30.7587, 43.5322 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(188, 134, 173)` looks like.

```
.text, #text, p{  
    color:rgb(188, 134, 173)  
}
```

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(188, 134, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 134, 173) }
```

Border

The CSS property to change the border of an element to XYZ 36.8070, 30.7587, 43.5322 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(188, 134, 173) }
```


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

```
.border{ border-color:rgb(188, 134, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 134, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 134, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 134, 173);  
box-shadow:4px 4px 4px 4px rgb(188, 134,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8070, 30.7587, 43.5322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 134, 173) }
```

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

```
.background{ background-color: rgb(188,  
134, 173) }
```

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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