

Converting Colors

XYZ(37.5398, 30.9673, 44.7859)

Have a look what the booklet for
XYZ(37.5398, 30.9673, 44.7859)
contains.

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Color

**XYZ(37.3606, 30.8174,
44.5367)**

Conversions

Conversions Part 1

Format	Color
Hex	BE85AF
RGB	190, 133, 175
RGB Percent	75%, 52%, 69%
CMY	0.2549, 0.4784, 0.3137
CMYK	0.00, 0.30, 0.08, 0.25
HSL	316°, 30%, 63%
HSV	316°, 30%, 75%
XYZ	37.3606, 30.8174, 44.5367
YIQ	154.8310, 20.4900, 25.1460

Conversions

Conversions Part 2

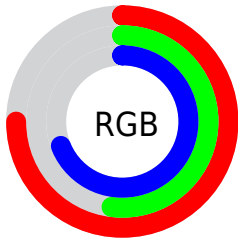
Format	Color
RYB	190, 133, 175
Decimal	12486063
CIELab	62.35, 28.54, -13.37
CIELCh	62, 31.513, 334.894
Yxy	30.8174, 0.3315, 0.2734
Android (android.graphics.Color)	4290676143 (0xFFBE85AF)
YUV	154.8310, 9.9433, 30.8432
Hunter-Lab	55.5134, 22.9822, -8.7071

Details

The XYZ color **37.3606, 30.8174, 44.5367** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **33.4329, 43.9525, 34.7405**, and the grayscale version is **31.0330, 32.6491, 35.5549**.

A 20% lighter version of the original color is **70.5519, 61.0843, 83.6733**, and **16.7458, 12.6989, 20.3074** is the 20% darker color. If you saturate the color by 10%, you get **34.5090, 25.8852, 41.2080**, and if you desaturate by 10%, it is **40.7028, 36.7006, 48.1193**.

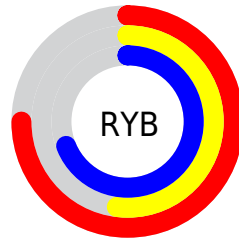
Distribution



Red (75%)

Green (52%)

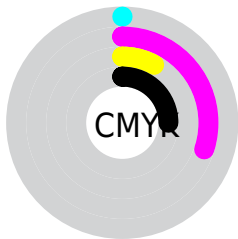
Blue (69%)



Red (75%)

Yellow (52%)

Blue (69%)

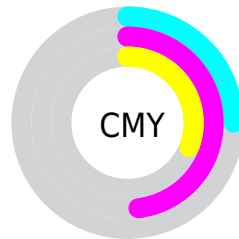


Cyan (0%)

Magenta (30%)

Yellow (8%)

Black (25%)



Cyan (25%)


Magenta (48%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3606, 30.8174, 44.5367 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 37.3606, 30.8174, 44.5367 by changing the saturation by 10% instead.


 37.3606, 30.8174,
44.5367


 37.3606, 30.8174,
44.5367


326.1976,
305.6962, 380.9992


 25.6618, 20.4598,
30.7524


 70.4373, 60.9525,
83.3358

 16.7021, 12.7297,
20.1535


 92.5458, 81.4988,
109.1877

 10.1163, 7.2427,
12.3215


 118.8550,
106.2101, 139.8991

 5.5390, 3.6144,
6.8378

149.7302,
135.4709, 175.8887

 2.6048, 1.4603,
3.2840

185.5366,
169.6655, 217.5750

 0.9484, 0.2605,
1.2414

226.6398,

 0.0000, 0.0000,

209.1783, 265.3764

0.0130

273.4050,
254.3938, 319.7117

■ 0.0000, 0.0000,
0.0000

■ 37.3606, 30.8174,
44.5367

■ 37.3606, 30.8174,
44.5367

■ 34.5090, 25.8852,
41.2080

■ 40.7028, 36.7006,
48.1193

■ 32.1196, 21.8491,
38.1218

■ 44.5564, 43.5778,
51.9628

■ 30.1653, 18.6548,
35.2685

■ 48.9444, 51.4941,
56.0760

■ 28.6151, 16.2405,
32.6367

■ 53.8877, 60.4909,
60.4668

■ 27.4336, 14.5357,
30.2136

■ 59.4058, 70.6071,
65.1427

■ 26.5791, 13.4574,
27.9843

■ 65.5176, 81.8799,
70.1107

■ 25.9690, 12.8407,
25.9202

■ 68.6287, 87.1206,
74.1737

■ 25.9688, 12.8406,
25.9197

■ 69.2616, 87.3737,
77.5068

■ 69.9142, 87.6348,
80.9432

Harmonies

Analogous

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



34.2363, 30.8174, 56.7350



37.3606, 30.8174, 44.5367



38.2433, 30.8174, 31.5911

Triad

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



37.3606, 30.8174, 44.5367



28.5970, 30.8174, 15.1751



23.0675, 30.8174, 48.8604

Complementary

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



37.3606, 30.8174, 44.5367



33.4329, 43.9525, 34.7405

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.



21.8576, 30.8174, 35.5984



37.3606, 30.8174, 44.5367



24.8465, 30.8174, 17.7448

Square

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



37.3606, 30.8174, 44.5367



32.9094, 30.8174, 16.4667



22.4761, 30.8174, 24.5453



25.9481, 30.8174, 59.6262

Rectangle

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



37.3606, 30.8174, 44.5367



37.3757, 30.8174, 24.6092



22.4761, 30.8174, 24.5453



22.4653, 30.8174, 44.4419

Sweetspot

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



37.3615, 30.8188, 44.5373



81.3812, 80.1164, 94.7792



29.7607, 26.7206, 52.3047



17.6287, 17.1586, 20.5792



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.



37.3615, 30.8188, 44.5373



64.2032, 49.7726, 76.6840



34.9100, 29.8382, 31.6277



9.8198, 9.6522, 11.4403



17.3013, 8.5517, 17.4122



0.7033, 0.3452, 0.8166

Inverse Universe

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



37.3615, 30.8188, 44.5373



64.2032, 49.7726, 76.6840



35.8992, 44.9390, 47.7276



9.8198, 9.6522, 11.4403



17.3013, 8.5517, 17.4122



0.7033, 0.3452, 0.8166

Previews

White Background



This preview shows how the XYZ color 37.3606, 30.8174, 44.5367 looks on a white background.

Color Contrast Check

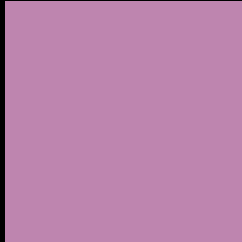
Large Text (above 18pt) WCAG AA × Fail

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 37.3606, 30.8174, 44.5367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

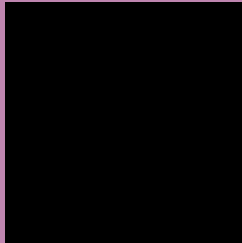
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.3606, 30.8174, 44.5367

Background



This preview shows how black text looks on a background with the XYZ color 37.3606, 30.8174, 44.5367.



This preview shows how white text looks on a background with the XYZ color 37.3606, 30.8174,

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

37.3606, 30.8174, 44.5367

Protanopia

31.0970, 31.1975, 50.8371

Deuteranopia

31.5904, 30.9139, 43.3317



Tritanopia

34.9273, 30.8799, 32.1365

Trichromacy



Original Color

37.3606, 30.8174, 44.5367

Protanomaly

32.9140, 30.7975, 48.4657

Deuteranomaly

33.3643, 30.6880, 43.7000

Tritanomaly

35.7148, 30.7683, 36.4043

Monochromacy



Original Color

37.3606, 30.8174, 44.5367

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

33.1038, 31.8009, 38.5759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3606, 30.8174, 44.5367 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, 133, 175)` looks like.

```
.text, #text, p{  
    color:rgb(190, 133, 175)  
}
```

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, 133, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 133, 175) }
```

Border

The CSS property to change the border of an element to XYZ 37.3606, 30.8174, 44.5367 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, 133, 175) }
```


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

```
.border{ border-color:rgb(190, 133, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 133, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 133, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 133, 175);  
box-shadow:4px 4px 4px 4px rgb(190, 133,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3606, 30.8174, 44.5367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 133, 175) }
```

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

```
.background{ background-color: rgb(190,  
133, 175) }
```

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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