

Converting Colors

XYZ(36.8893, 30.8656, 39.8005)

Have a look what the booklet for
XYZ(36.8893, 30.8656, 39.8005)
contains.

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Color

**XYZ(36.8025, 30.8432,
39.6109)**

Conversions

Conversions Part 1

Format	Color
Hex	BF86A5
RGB	191, 134, 165
RGB Percent	75%, 53%, 65%
CMY	0.2510, 0.4745, 0.3529
CMYK	0.00, 0.30, 0.14, 0.25
HSL	327°, 31%, 64%
HSV	327°, 30%, 75%
XYZ	36.8025, 30.8432, 39.6109
YIQ	154.5770, 24.0210, 21.7250

Conversions

Conversions Part 2

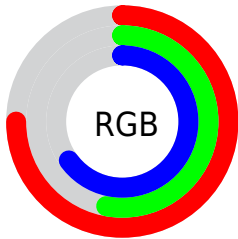
Format	Color
RYB	191, 134, 165
Decimal	12551845
CIELab	62.38, 26.61, -7.64
CIELCh	62, 27.685, 343.971
Yxy	30.8432, 0.3431, 0.2876
Android (android.graphics.Color)	4290741925 (0xFFBF86A5)
YUV	154.5770, 5.1385, 31.9430
Hunter-Lab	55.5367, 21.0975, -3.4123

Details

The XYZ color **36.8025, 30.8432, 39.6109** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **34.8088, 44.8689, 40.0858**, and the grayscale version is **30.9404, 32.5517, 35.4488**.

A 20% lighter version of the original color is **69.6129, 61.0902, 75.8327**, and **16.3904, 12.6971, 17.2097** is the 20% darker color. If you saturate the color by 10%, you get **33.6311, 25.7263, 34.7736**, and if you desaturate by 10%, it is **40.5065, 36.9381, 44.8931**.

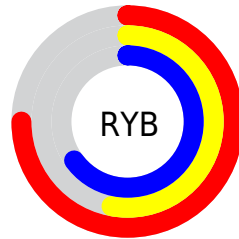
Distribution



Red (75%)

Green (53%)

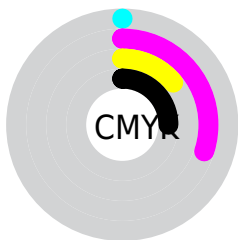
Blue (65%)



Red (75%)

Yellow (53%)

Blue (65%)

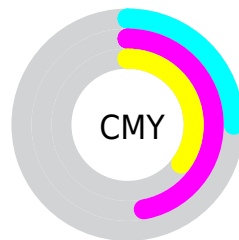


Cyan (0%)

Magenta (30%)

Yellow (14%)

Black (25%)



Cyan (25%)


Magenta (47%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8025, 30.8432, 39.6109 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 36.8025, 30.8432, 39.6109 by changing the saturation by 10% instead.


 36.8025, 30.8432,
39.6109

 36.8025, 30.8432,
39.6109

323.8251,
305.8153, 359.9840


 25.2276, 20.4795,
26.9238


 69.5847, 60.9931,
75.8012

 16.3763, 12.7441,
17.2841


 91.5228, 81.5481,
100.1416

 9.8834, 7.2525,
10.2732


 117.6459,
106.2690, 129.2034

 5.3834, 3.6205,
5.4725

148.3194,
135.5401, 163.4053

 2.5110, 1.4636,
2.4635

183.9087,
169.7459, 203.1658

 0.9008, 0.2629,
0.8207

224.7792,

 0.0000, 0.0000,

209.2708, 248.9033

0.0000

271.2962,
254.4991, 301.0366

■ 36.8025, 30.8432,
39.6109

■ 36.8025, 30.8432,
39.6109

■ 33.6311, 25.7263,
34.7736

■ 40.5065, 36.9381,
44.8931

■ 30.9628, 21.5313,
30.3649

■ 44.7653, 44.0546,
50.6315

■ 28.7694, 18.2030,
26.3705

■ 49.6028, 52.2390,
56.8395

■ 27.0185, 15.6786,
22.7738

■ 55.0409, 61.5331,
63.5293

■ 25.6734, 13.8864,
19.5569

■ 61.1002, 71.9770,
70.7125

■ 24.6909, 12.7420,
16.6993

■ 67.8004, 83.6083,
78.4001

■ 23.9886, 12.0828,
14.1673

■ 70.9723, 88.0870,
85.2070

■ 23.9782, 12.0733,
14.1291

■ 72.1987, 88.5775,
91.6652

■ 73.4868, 89.0928,
98.4480

Harmonies

Analogous

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



34.6096, 30.8432, 50.7361



36.8025, 30.8432, 39.6109



36.8805, 30.8432, 28.8420

Triad

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



36.8025, 30.8432, 39.6109



27.6097, 30.8432, 17.2711



24.4285, 30.8432, 50.0491

Complementary

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



36.8025, 30.8432, 39.6109



34.8088, 44.8689, 40.0858

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.



22.8630, 30.8432, 38.8170



36.8025, 30.8432, 39.6109



24.5909, 30.8432, 20.8106

Square

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



36.8025, 30.8432, 39.6109



31.3510, 30.8432, 17.3945



22.9198, 30.8432, 28.1999



27.3702, 30.8432, 57.5843

Rectangle

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



36.8025, 30.8432, 39.6109



35.7081, 30.8432, 23.3193



22.9198, 30.8432, 28.1999



23.7355, 30.8432, 46.4874

Sweetspot

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



36.8034, 30.8446, 39.6115



80.7450, 79.8620, 91.4293



32.3577, 28.2510, 53.0382



17.4676, 17.0942, 19.7311



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.



36.8034, 30.8446, 39.6115



61.9896, 48.8872, 65.0274



34.5167, 29.9299, 27.5701



9.7413, 9.6208, 11.0267



15.7991, 7.9508, 9.5017



0.6515, 0.3245, 0.5440

Inverse Universe

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



36.8034, 30.8446, 39.6115



61.9896, 48.8872, 65.0274



37.5566, 45.9680, 54.5556



9.7413, 9.6208, 11.0267



15.7991, 7.9508, 9.5017



0.6515, 0.3245, 0.5440

Previews

White Background



This preview shows how the XYZ color 36.8025, 30.8432, 39.6109 looks on a white background.

Color Contrast Check

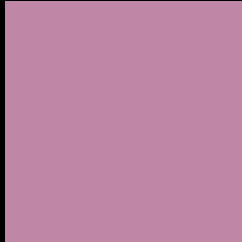
Large Text (above 18pt) WCAG AA × Fail

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 36.8025, 30.8432, 39.6109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

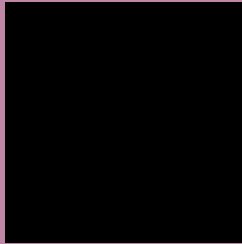
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.8025, 30.8432, 39.6109

Background



This preview shows how black text looks on a background with the XYZ color 36.8025, 30.8432, 39.6109.



This preview shows how white text looks on a background with the XYZ color 36.8025, 30.8432,

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

36.8025, 30.8432, 39.6109

Protanopia

30.6768, 31.1109, 44.9456

Deuteranopia

31.7425, 31.0888, 38.9781



Tritanopia

35.2772, 30.8483, 32.1120

Trichromacy



Original Color

36.8025, 30.8432, 39.6109

Protanomaly

32.4282, 30.6733, 42.7395

Deuteranomaly

33.3871, 30.7970, 39.3067

Tritanomaly

35.8721, 30.8886, 34.6433

Monochromacy



Original Color

36.8025, 30.8432, 39.6109

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

32.8402, 31.6955, 37.1879

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8025, 30.8432, 39.6109 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(191, 134, 165)` looks like.

```
.text, #text, p{  
    color:rgb(191, 134, 165)  
}
```

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(191, 134, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 134, 165) }
```

Border

The CSS property to change the border of an element to XYZ 36.8025, 30.8432, 39.6109 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(191, 134, 165) }
```


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

```
.border{ border-color:rgb(191, 134, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 134, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 134, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 134, 165);  
box-shadow:4px 4px 4px 4px rgb(191, 134,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8025, 30.8432, 39.6109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 134, 165) }
```

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

```
.background{ background-color: rgb(191,  
134, 165) }
```

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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