

Converting Colors

XYZ(38.5874, 32.4841, 58.6245)

Have a look what the booklet for
XYZ(38.5874, 32.4841, 58.6245)
contains.

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Color

**XYZ(38.4803, 32.3387,
58.8574)**

Conversions

Conversions Part 1

Format	Color
Hex	B48BC8
RGB	180, 139, 200
RGB Percent	71%, 55%, 78%
CMY	0.2941, 0.4549, 0.2157
CMYK	0.10, 0.30, 0.00, 0.22
HSL	280°, 36%, 66%
HSV	280°, 30%, 78%
XYZ	38.4803, 32.3387, 58.8574
YIQ	158.2130, 4.8550, 27.6630

Conversions

Conversions Part 2

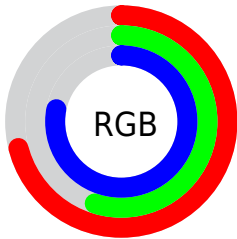
Format	Color
RYB	180, 139, 200
Decimal	11832264
CIELab	63.62, 26.69, -25.64
CIELCh	64, 37.012, 316.148
Yxy	32.3387, 0.2967, 0.2494
Android (android.graphics.Color)	4290022344 (0xFFB48BC8)
YUV	158.2130, 20.6010, 19.1072
Hunter-Lab	56.8671, 21.2682, -21.5581

Details

The XYZ color **38.4803, 32.3387, 58.8574** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **39.6137, 50.5444, 32.0959**, and the grayscale version is **32.5048, 34.1976, 37.2412**.

A 20% lighter version of the original color is **71.7120, 63.1928, 103.0255**, and **17.2822, 13.4904, 28.8872** is the 20% darker color. If you saturate the color by 10%, you get **34.3546, 26.2997, 57.9097**, and if you desaturate by 10%, it is **43.2100, 39.4771, 59.9865**.

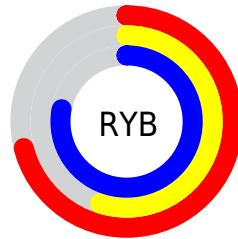
Distribution



Red (71%)

Green (55%)

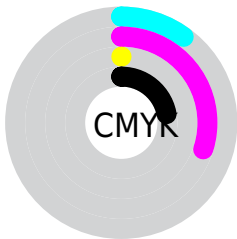
Blue (78%)



Red (71%)

Yellow (55%)

Blue (78%)

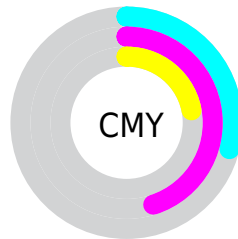


Cyan (10%)

Magenta (30%)

Yellow (0%)

Black (22%)



Cyan (29%)


Magenta (45%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4803, 32.3387, 58.8574 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 38.4803, 32.3387, 58.8574 by changing the saturation by 10% instead.


 38.4803, 32.3387,
58.8574

 38.4803, 32.3387,
58.8574

330.9212,
312.6593, 438.0604


 26.5346, 21.6203,
42.0791


 72.1429, 63.3417,
104.6975

 17.3588, 13.5782,
28.8372

 94.5905, 84.3951,
134.5963

 10.5875, 7.8279,
18.7132


 121.2694,
109.6623, 169.7057

 5.8554, 3.9850,
11.2885

152.5449,
139.5277, 210.4442

 2.7972, 1.6652,
6.1446

188.7826,
174.3757, 257.2304

 1.0474, 0.4010,
2.8630

230.3476,

 0.0000, 0.0000,

214.5907, 310.4828

1.0251

277.6053,
260.5571, 370.6200

■ 0.0000, 0.0000,
0.0000

■ 38.4803, 32.3387,
58.8574

■ 38.4803, 32.3387,
58.8574

■ 34.3546, 26.2997,
57.9097

■ 43.2100, 39.4771,
59.9865

■ 30.8000, 21.2977,
57.1316

■ 48.5684, 47.7649,
61.3037

■ 27.7847, 17.2702,
56.5131

■ 54.5823, 57.2535,
62.8183

■ 25.2725, 14.1461,
56.0425

■ 61.2760, 67.9905,
64.5379

■ 23.2220, 11.8443,
55.7063

■ 68.6727, 80.0204,
66.4701

■ 21.5845, 10.2687,
55.4885

■ 75.5032, 90.8041,
68.1915

■ 20.3249, 9.2735,
55.3628

■ 77.5194, 91.8434,
68.2859

■ 79.6142, 92.9233,
68.3839

■ 81.7885, 94.0442,
68.4857

Harmonies

Analogous

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



33.5864, 32.3387, 70.2640



38.4803, 32.3387, 58.8574



41.4384, 32.3387, 42.4797

Triad

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



38.4803, 32.3387, 58.8574



33.1799, 32.3387, 14.1664



22.1402, 32.3387, 43.7408

Complementary

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



38.4803, 32.3387, 58.8574



39.6137, 50.5444, 32.0959

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.



22.0575, 32.3387, 28.8233



38.4803, 32.3387, 58.8574



28.0534, 32.3387, 14.3279

Square

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



38.4803, 32.3387, 58.8574



38.1541, 32.3387, 18.4079



24.1090, 32.3387, 18.9363



24.3494, 32.3387, 60.0009

Rectangle

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



38.4803, 32.3387, 58.8574



41.7222, 32.3387, 32.2486



24.1090, 32.3387, 18.9363



21.8720, 32.3387, 38.3502

Sweetspot

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



38.4814, 32.3401, 58.8581



85.4463, 84.8221, 106.4765



33.5296, 34.5716, 59.5498



17.9760, 17.6656, 22.7123



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.4814, 32.3401, 58.8581



61.4944, 48.4452, 100.7175



42.3290, 34.4564, 53.0403



10.7321, 10.6357, 13.4047



13.0208, 5.9467, 35.2059



0.6904, 0.3197, 1.6705

Inverse Universe

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



39.3111, 33.2492, 37.1483



63.3923, 50.4150, 56.0184



36.7410, 48.9736, 36.0215



10.7749, 10.6933, 11.7977



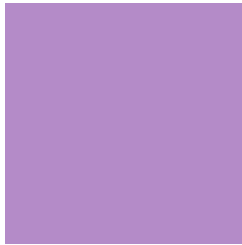
15.7996, 8.0694, 4.1547



0.7817, 0.3955, 0.3736

Previews

White Background



This preview shows how the XYZ color 38.4803, 32.3387, 58.8574 looks on a white background.

Color Contrast Check

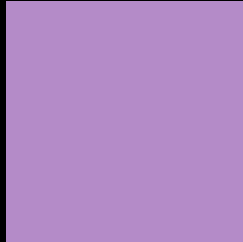
Large Text (above 18pt) WCAG AA × Fail

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 38.4803, 32.3387, 58.8574 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 38.4803, 32.3387, 58.8574

Background



This preview shows how black text looks on a background with the XYZ color 38.4803, 32.3387, 58.8574.



This preview shows how white text looks on a background with the XYZ color 38.4803, 32.3387,

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

38.4803, 32.3387, 58.8574

Protanopia

33.3423, 32.5129, 65.4911

Deuteranopia

33.1137, 32.3214, 57.9195



Tritanopia

34.1473, 32.3693, 37.2490

Trichromacy



Original Color

38.4803, 32.3387, 58.8574

Protanomaly

34.7112, 32.0960, 62.7582

Deuteranomaly

34.8431, 32.2601, 58.4232

Tritanomaly

35.5177, 32.2326, 44.3939

Monochromacy



Original Color

38.4803, 32.3387, 58.8574

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

34.3353, 33.2573, 44.1448

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4803, 32.3387, 58.8574 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(180, 139, 200)` looks like.

```
.text, #text, p{  
    color:rgb(180, 139, 200)  
}
```

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(180, 139, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 139, 200) }
```

Border

The CSS property to change the border of an element to XYZ 38.4803, 32.3387, 58.8574 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(180, 139, 200) }
```


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

```
.border{ border-color:rgb(180, 139, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 139, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 139, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 139, 200);  
box-shadow:4px 4px 4px 4px rgb(180, 139,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4803, 32.3387, 58.8574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 139, 200) }
```

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

```
.background{ background-color: rgb(180,  
139, 200) }
```

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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