

Converting Colors

XYZ(32.3800, 22.4756, 41.7562)

Have a look what the booklet for
XYZ(32.3800, 22.4756, 41.7562)
contains.

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Color

**XYZ(32.4018, 22.4670,
41.6585)**

Conversions

Conversions Part 1

Format	Color
Hex	BB63AC
RGB	187, 99, 172
RGB Percent	73%, 39%, 67%
CMY	0.2667, 0.6117, 0.3255
CMYK	0.00, 0.47, 0.08, 0.27
HSL	310°, 39%, 56%
HSV	310°, 47%, 73%
XYZ	32.4018, 22.4670, 41.6585
YIQ	133.6340, 29.0150, 41.3590

Conversions

Conversions Part 2

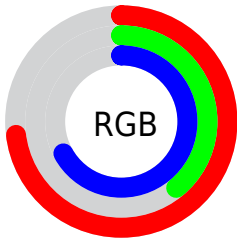
Format	Color
RYB	187, 99, 172
Decimal	12280748
CIELab	54.52, 45.32, -23.61
CIELCh	55, 51.104, 332.486
Yxy	22.4670, 0.3357, 0.2328
Android (android.graphics.Color)	4290470828 (0xFFBB63AC)
YUV	133.6340, 18.9144, 46.8020
Hunter-Lab	47.3994, 39.0722, -18.9294

Details

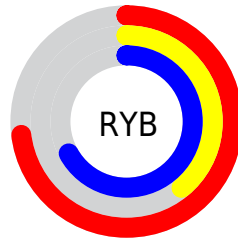
The XYZ color **32.4018, 22.4670, 41.6585** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **25.9542, 39.4091, 22.1599**, and the grayscale version is **22.4519, 23.6212, 25.7235**.

A 20% lighter version of the original color is **62.8880, 47.4704, 79.2469**, and **13.8620, 8.2705, 18.3185** is the 20% darker color. If you saturate the color by 10%, you get **30.5287, 19.2045, 39.5418**, and if you desaturate by 10%, it is **34.6939, 26.5549, 43.9515**.

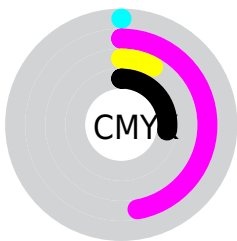
Distribution



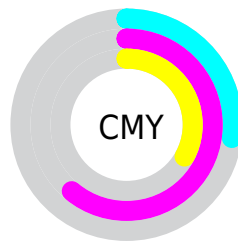
- Red (73%)
- Green (39%)
- Blue (67%)



- Red (73%)
- Yellow (39%)
- Blue (67%)



- Cyan (0%)
- Magenta (47%)
- Yellow (8%)
- Black (27%)



- Cyan (27%)
- Magenta (61%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.4018, 22.4670, 41.6585 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 32.4018, 22.4670, 41.6585 by changing the saturation by 10% instead.

■ 32.4018, 22.4670,
41.6585

■ 32.4018, 22.4670,
41.6585

304.6584,
264.9755, 368.8231

■ 21.8256, 14.2004,
28.5104

■ 62.8014, 47.5166,
78.9470

■ 13.8447, 8.2602,
18.4684

■ 83.3555, 65.0685,
103.9245

■ 8.0937, 4.2619,
11.1139

■ 107.9664, 86.4843,
133.6823

■ 4.2073, 1.8211,
6.0283

■ 136.9993,
112.1484, 168.6388

■ 1.8201, 0.5003,
2.7933

170.8195,
142.4451, 209.2125

■ 0.5297, 0.0000,
0.9901

209.7926,

■ 0.0000, 0.0000,

177.7590, 255.8222

0.0000

254.2838,
218.4743, 308.8862

■ 32.4018, 22.4670,
41.6585

■ 32.4018, 22.4670,
41.6585

■ 30.5287, 19.2045,
39.5418

■ 34.6939, 26.5549,
43.9515

■ 29.0436, 16.7067,
37.5902

■ 37.4288, 31.5169,
46.4284

■ 27.9147, 14.9099,
35.7931


■ 40.6311, 37.4019,
49.0978


■ 27.1044, 13.7385,
34.1377


■ 44.3230, 44.2540,
51.9674


■ 26.5595, 13.0868,
32.6060


■ 48.5251, 52.1146,
55.0443

 26.4206, 12.9357,
32.1690

 53.2571, 61.0227,
58.3353

 58.5373, 71.0151,
61.8467

 64.3834, 82.1269,
65.5847

 66.7601, 86.2875,
68.2043

Harmonies

Analogous

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



27.6771, 22.4670, 60.7974



32.4018, 22.4670, 41.6585



34.0233, 22.4670, 23.1490

Triad

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



32.4018, 22.4670, 41.6585



20.8904, 22.4670, 4.7750



13.4965, 22.4670, 45.0516

Complementary

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



32.4018, 22.4670, 41.6585



25.9542, 39.4091, 22.1599

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.



12.3000, 22.4670, 25.8253



32.4018, 22.4670, 41.6585



16.0760, 22.4670, 6.5782

Square

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



32.4018, 22.4670, 41.6585



26.7263, 22.4670, 6.0363



13.1554, 22.4670, 12.8008



16.7550, 22.4670, 63.2856

Rectangle

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



32.4018, 22.4670, 41.6585



32.9319, 22.4670, 14.4602



13.1554, 22.4670, 12.8008



12.8684, 22.4670, 38.2583

Sweetspot

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



32.4025, 22.4680, 41.6590



74.5500, 70.2802, 89.3505



20.3287, 16.0678, 49.0444



16.1151, 14.9180, 19.4366



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.



32.4025, 22.4680, 41.6590



54.7214, 34.4726, 70.8733



28.8746, 21.0568, 23.0810



9.8582, 9.6676, 11.6425



18.2271, 8.9220, 22.2871



0.7327, 0.3570, 0.9718

Inverse Universe

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



32.4025, 22.4680, 41.6590



54.7214, 34.4726, 70.8733



29.0598, 40.6513, 38.5134



9.8582, 9.6676, 11.6425



18.2271, 8.9220, 22.2871



0.7327, 0.3570, 0.9718

Previews

White Background



This preview shows how the XYZ color 32.4018, 22.4670, 41.6585 looks on a white background.

Color Contrast Check

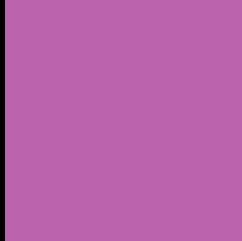
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.4018, 22.4670, 41.6585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

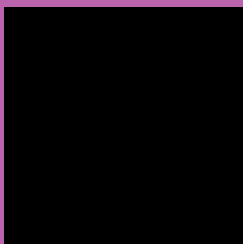
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.4018, 22.4670, 41.6585

Background



This preview shows how black text looks on a background with the XYZ color 32.4018, 22.4670, 41.6585.



This preview shows how white text looks on a background with the XYZ color 32.4018, 22.4670,

41.6585.

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

32.4018, 22.4670, 41.6585

Protanopia

23.8849, 22.8288, 54.7773

Deuteranopia

23.1517, 22.5883, 39.6990



Tritanopia

28.0703, 22.5245, 20.3210

Trichromacy



Original Color

32.4018, 22.4670, 41.6585

Protanomaly

25.7646, 21.8631, 49.8758

Deuteranomaly

25.7355, 21.8831, 40.4036

Tritanomaly

29.3736, 22.4176, 26.8236

Monochromacy



Original Color

32.4018, 22.4670, 41.6585

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

25.3195, 22.5852, 31.0419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4018, 22.4670, 41.6585 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(187, 99, 172)` looks like.

```
.text, #text, p{  
    color:rgb(187, 99, 172)  
}
```

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(187, 99, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 99, 172) }
```

Border

The CSS property to change the border of an element to XYZ 32.4018, 22.4670, 41.6585 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(187, 99, 172) }
```


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

```
.border{ border-color:rgb(187, 99, 172) }
```

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

Here you see how a box with a 4 pixel rgb(187, 99, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 99, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 99, 172);  
box-shadow:4px 4px 4px 4px rgb(187, 99,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4018, 22.4670, 41.6585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 99, 172) }
```

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

```
.background{ background-color: rgb(187, 99,  
172) }
```

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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