

Converting Colors

XYZ(24.0566, 16.8266, 22.7639)

Have a look what the booklet for
XYZ(24.0566, 16.8266, 22.7639)
contains.

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Color

**XYZ(24.0848, 16.8985,
22.7612)**

Conversions

Conversions Part 1

Format	Color
Hex	AB5681
RGB	171, 86, 129
RGB Percent	67%, 34%, 51%
CMY	0.3294, 0.6627, 0.4941
CMYK	0.00, 0.50, 0.25, 0.33
HSL	330°, 34%, 50%
HSV	330°, 50%, 67%
XYZ	24.0848, 16.8985, 22.7612
YIQ	116.3170, 36.8570, 31.3930

Conversions

Conversions Part 2

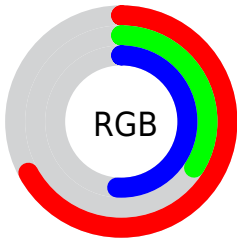
Format	Color
R_{YB}	171, 86, 129
Decimal	11228801
CIE Lab	48.13, 39.97, -8.13
CIE LCh	48, 40.788, 348.509
Yxy	16.8985, 0.3778, 0.2651
Android (android.graphics.Color)	4289418881 (0xFFAB5681)
YUV	116.3170, 6.2527, 47.9570
Hunter-Lab	41.1078, 32.6434, -4.0532

Details

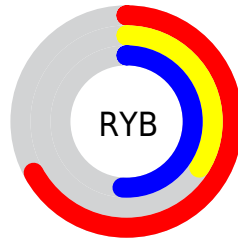
The XYZ color **24.0848, 16.8985, 22.7612** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **22.2977, 32.6632, 25.5531**, and the grayscale version is **16.6718, 17.5400, 19.1010**.

A 20% lighter version of the original color is **49.5269, 38.0483, 48.9897**, and **9.2515, 5.4943, 8.1623** is the 20% darker color. If you saturate the color by 10%, you get **22.3406, 14.2720, 19.5223**, and if you desaturate by 10%, it is **26.2031, 20.1985, 26.3543**.

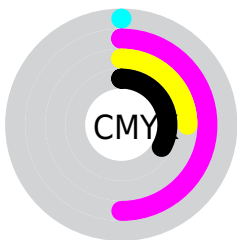
Distribution



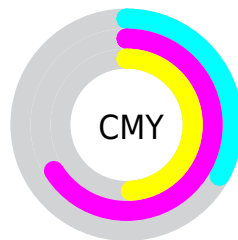
- Red (67%)
- Green (34%)
- Blue (51%)



- Red (67%)
- Yellow (34%)
- Blue (51%)



- Cyan (0%)
- Magenta (50%)
- Yellow (25%)
- Black (33%)





- Cyan (33%)
- Magenta (66%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.0848, 16.8985, 22.7612 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 24.0848, 16.8985, 22.7612 by changing the saturation by 10% instead.


 24.0848, 16.8985,
22.7612

 24.0848, 16.8985,
22.7612


265.6814,
234.5868, 279.5781


 15.5216, 10.1622,
14.2136


 49.6222, 38.1512,
48.9191

 9.2750, 5.5066,
8.1290


 67.3272, 53.4363,
67.3666


 4.9795, 2.5475,
4.0886

 88.8101, 72.3398,
89.9511

 2.2699, 0.9003,
1.6741

 114.4363, 95.2461,
117.0912

 0.7792, 0.0000,
0.3429

 144.5712,
122.5395, 149.2054

 0.0000, 0.0000,
0.0000

179.5801,

154.6045, 186.7122

219.8284,
191.8255, 230.0303

■ 24.0848, 16.8985,
22.7612

■ 24.0848, 16.8985,
22.7612

■ 22.3406, 14.2720,
19.5223

■ 26.2031, 20.1985,
26.3543

■ 20.9442, 12.2687,
16.6229

■ 28.7163, 24.2125,
30.3134

■ 19.8680, 10.8351,
14.0482

■ 31.6457, 28.9809,
34.6509

■ 19.0793, 9.9077,
11.7813

■ 35.0101, 34.5403,
39.3781

■ 18.5103, 9.3530,
9.7934

■ 38.8276, 40.9248,
44.5058

■ 18.4946, 9.3379,
9.7381

■ 43.1150, 48.1666,
50.0444

■ 47.8882, 56.2960,
56.0037

■ 53.1624, 65.3421,
62.3932

■ 58.9522, 75.3325,
69.2221

Harmonies

Analogous

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



21.9975, 16.8985, 35.4545



24.0848, 16.8985, 22.7612



23.7909, 16.8985, 12.6629

Triad

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



24.0848, 16.8985, 22.7612



13.9085, 16.8985, 5.0576



11.7967, 16.8985, 38.2546

Complementary

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



24.0848, 16.8985, 22.7612



22.2977, 32.6632, 25.5531

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.



10.2189, 16.8985, 25.6502



24.0848, 16.8985, 22.7612



11.3028, 16.8985, 7.9380

Square

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



24.0848, 16.8985, 22.7612



17.5199, 16.8985, 4.7897



10.0531, 16.8985, 14.6341



14.6864, 16.8985, 46.4356

Rectangle

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



24.0848, 16.8985, 22.7612



22.2921, 16.8985, 8.4104



10.0531, 16.8985, 14.6341



11.1157, 16.8985, 34.2127

Sweetspot

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



24.0853, 16.8993, 22.7615



59.2526, 56.1449, 65.7291



19.4441, 14.1153, 40.2279



12.9443, 12.0766, 14.2765



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



24.0853, 16.8993, 22.7615



39.6361, 25.0103, 34.2241



21.8604, 16.0094, 11.0454



8.1679, 8.0804, 9.1950



13.9689, 7.0501, 7.4814



0.4162, 0.2072, 0.3535

Inverse Universe

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



24.0853, 16.8993, 22.7615



39.6361, 25.0103, 34.2241



25.6175, 33.9911, 43.0347



8.1679, 8.0804, 9.1950



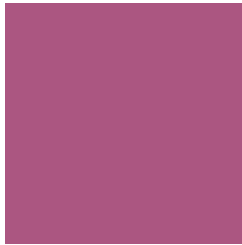
13.9689, 7.0501, 7.4814



0.4162, 0.2072, 0.3535

Previews

White Background



This preview shows how the XYZ color 24.0848, 16.8985, 22.7612 looks on a white background.

Color Contrast Check

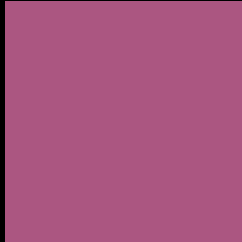
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 24.0848, 16.8985, 22.7612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

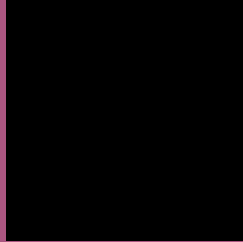
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.0848, 16.8985, 22.7612

Background



This preview shows how black text looks on a background with the XYZ color 24.0848, 16.8985, 22.7612.



This preview shows how white text looks on a background with the XYZ color 24.0848, 16.8985,

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

24.0848, 16.8985, 22.7612

Protanopia

17.3065, 17.2369, 30.4319

Deuteranopia

17.3810, 17.1340, 21.7931



Tritanopia

22.2277, 16.8800, 13.8910

Trichromacy



Original Color

24.0848, 16.8985, 22.7612

Protanomaly

18.9640, 16.5695, 27.3980

Deuteranomaly

19.2636, 16.6958, 21.9460

Tritanomaly

22.8328, 16.8731, 16.8053

Monochromacy



Original Color

24.0848, 16.8985, 22.7612

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

18.6561, 16.7179, 20.3327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0848, 16.8985, 22.7612 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(171, 86, 129)` looks like.

```
.text, #text, p{  
  color:rgb(171, 86, 129)  
}
```

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(171, 86, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 86, 129) }
```

Border

The CSS property to change the border of an element to XYZ 24.0848, 16.8985, 22.7612 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(171, 86, 129) }
```


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

```
.border{ border-color:rgb(171, 86, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 86, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 86, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 86, 129);  
box-shadow:4px 4px 4px 4px rgb(171, 86,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0848, 16.8985, 22.7612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 86, 129) }
```

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

```
.background{ background-color: rgb(171, 86,  
129) }
```

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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