

Converting Colors

XYZ(22.8271, 16.6830, 20.6324)

Have a look what the booklet for
XYZ(22.8271, 16.6830, 20.6324)
contains.

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Color

**XYZ(22.8734, 16.6818,
20.7532)**

Conversions

Conversions Part 1

Format	Color
Hex	A6597B
RGB	166, 89, 123
RGB Percent	65%, 35%, 48%
CMY	0.3490, 0.6510, 0.5176
CMYK	0.00, 0.46, 0.26, 0.35
HSL	334°, 30%, 50%
HSV	334°, 46%, 65%
XYZ	22.8734, 16.6818, 20.7532
YIQ	115.8990, 34.9780, 26.8980

Conversions

Conversions Part 2

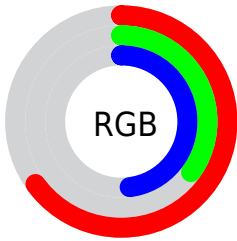
Format	Color
R_{YB}	166, 89, 123
Decimal	10901883
CIE _{Lab}	47.86, 35.76, -5.00
CIE _{LCh}	48, 36.109, 352.038
Yxy	16.6818, 0.3793, 0.2766
Android (android.graphics.Color)	4289091963 (0xFFA6597B)
YUV	115.8990, 3.5008, 43.9386
Hunter-Lab	40.8434, 28.4890, -1.5359

Details

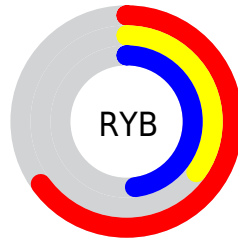
The XYZ color **22.8734, 16.6818, 20.7532** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **21.9217, 31.0627, 26.6717**, and the grayscale version is **16.5521, 17.4141, 18.9640**.

A 20% lighter version of the original color is **47.6942, 37.8329, 45.3462**, and **8.6436, 5.3902, 7.0634** is the 20% darker color. If you saturate the color by 10%, you get **21.0914, 14.0030, 17.4303**, and if you desaturate by 10%, it is **25.0228, 20.0072, 24.4701**.

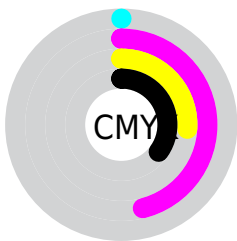
Distribution



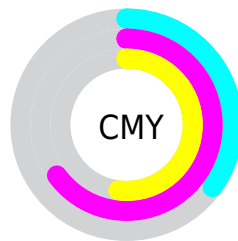
- Red (65%)
- Green (35%)
- Blue (48%)



- Red (65%)
- Yellow (35%)
- Blue (48%)



- Cyan (0%)
- Magenta (46%)
- Yellow (26%)
- Black (35%)



- Cyan (35%)
- Magenta (65%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8734, 16.6818, 20.7532 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 22.8734, 16.6818, 20.7532 by changing the saturation by 10% instead.

■ 22.8734, 16.6818,
20.7532

■ 22.8734, 16.6818,
20.7532

259.6216,
233.3320, 268.7018

■ 14.6202, 10.0079,
12.7542

■ 47.6536, 37.7779,
45.5519

■ 8.6379, 5.4042,
7.1308

■ 64.9113, 52.9688,
63.1887

■ 4.5609, 2.4863,
3.4644

■ 85.9012, 71.7675,
84.8751

■ 2.0241, 0.8698,
1.3363

■ 110.9887, 94.5585,
111.0299

■ 0.6475, 0.0000,
0.0913

140.5391,
121.7260, 142.0713

■ 0.0000, 0.0000,
0.0000

174.9178,

153.6545, 178.4181

214.4902,
190.7283, 220.4888

■ 22.8734, 16.6818,
20.7532

■ 22.8734, 16.6818,
20.7532

■ 21.0914, 14.0030,
17.4303

■ 25.0228, 20.0072,
24.4701

■ 19.6527, 11.9253,
14.4853

■ 27.5588, 24.0157,
28.5941

■ 18.5323, 10.4012,
11.9023


■ 30.5010, 28.7440,
33.1389

■ 17.7009, 9.3748,
9.6634


■ 33.8672, 34.2256,
38.1170


■ 17.1182, 8.7682,
7.7463


■ 37.6740, 40.4917,
43.5404

 16.9383, 8.5920,
7.1202

 41.9373, 47.5719,
49.4208

 46.6720, 55.4940,
55.7691

 51.8924, 64.2847,
62.5959

 57.6121, 73.9695,
69.9117

Harmonies

Analogous

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



21.3020, 16.6818, 31.5242



22.8734, 16.6818, 20.7532



22.3718, 16.6818, 12.2491

Triad

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



22.8734, 16.6818, 20.7532



13.6274, 16.6818, 6.1237



12.3184, 16.6818, 36.2117

Complementary

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



22.8734, 16.6818, 20.7532



21.9217, 31.0627, 26.6717

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.



10.7461, 16.6818, 25.7287



22.8734, 16.6818, 20.7532



11.4269, 16.6818, 9.2389

Square

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



22.8734, 16.6818, 20.7532



16.7357, 16.6818, 5.5908



10.4436, 16.6818, 15.7990



15.0068, 16.6818, 42.2345

Rectangle

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



22.8734, 16.6818, 20.7532



20.9564, 16.6818, 8.6322



10.4436, 16.6818, 15.7990



11.6578, 16.6818, 32.9517

Sweetspot

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



22.8739, 16.6826, 20.7535



56.5877, 54.1631, 61.9951



19.8704, 14.7522, 37.8767



12.3925, 11.6818, 13.4663



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



22.8739, 16.6826, 20.7535



38.0885, 25.1334, 31.2620



21.4309, 16.6315, 11.5329



7.6636, 7.5953, 8.5455



13.1576, 6.6717, 5.6413



0.3460, 0.1727, 0.2737

Inverse Universe

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



22.8739, 16.6826, 20.7535



38.0885, 25.1334, 31.2620



23.9501, 30.7710, 40.7536



7.6636, 7.5953, 8.5455



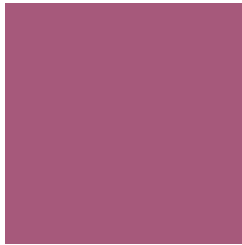
13.1576, 6.6717, 5.6413



0.3460, 0.1727, 0.2737

Previews

White Background



This preview shows how the XYZ color 22.8734, 16.6818, 20.7532 looks on a white background.

Color Contrast Check

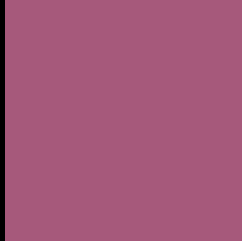
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8734, 16.6818, 20.7532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

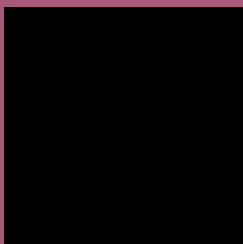
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.8734, 16.6818, 20.7532

Background



This preview shows how black text looks on a background with the XYZ color 22.8734, 16.6818, 20.7532.



This preview shows how white text looks on a background with the XYZ color 22.8734, 16.6818,

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

22.8734, 16.6818, 20.7532

Protanopia

16.6769, 16.8334, 26.4150

Deuteranopia

17.1826, 16.9117, 19.8114



Tritanopia

21.5244, 16.6413, 14.1342

Trichromacy



Original Color

22.8734, 16.6818, 20.7532

Protanomaly

18.2372, 16.2612, 24.3678

Deuteranomaly

18.8879, 16.5455, 19.9674

Tritanomaly

22.0510, 16.7363, 16.2556

Monochromacy



Original Color

22.8734, 16.6818, 20.7532

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

18.3153, 16.7083, 19.7125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8734, 16.6818, 20.7532 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(166, 89, 123)` looks like.

```
.text, #text, p{  
    color:rgb(166, 89, 123)  
}
```

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(166, 89, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 89, 123) }
```

Border

The CSS property to change the border of an element to XYZ 22.8734, 16.6818, 20.7532 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(166, 89, 123) }
```


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

```
.border{ border-color:rgb(166, 89, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 89, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 89, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 89, 123);  
box-shadow:4px 4px 4px 4px rgb(166, 89,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8734, 16.6818, 20.7532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 89, 123) }
```

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

```
.background{ background-color: rgb(166, 89,  
123) }
```

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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