

Converting Colors

XYZ(22.8594, 16.9829, 19.4164)

Have a look what the booklet for
XYZ(22.8594, 16.9829, 19.4164)
contains.

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Color

**XYZ(22.7967, 16.9211,
19.5173)**

Conversions

Conversions Part 1

Format	Color
Hex	A65B77
RGB	166, 91, 119
RGB Percent	65%, 36%, 47%
CMY	0.3490, 0.6431, 0.5333
CMYK	0.00, 0.45, 0.28, 0.35
HSL	338°, 30%, 50%
HSV	338°, 45%, 65%
XYZ	22.7967, 16.9211, 19.5173
YIQ	116.6170, 35.7120, 24.6080

Conversions

Conversions Part 2

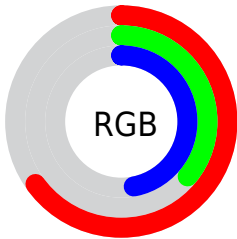
Format	Color
R_{YB}	166, 91, 119
Decimal	10902391
CIE Lab	48.16, 34.10, -2.15
CIE LCh	48, 34.171, 356.400
Yxy	16.9211, 0.3849, 0.2857
Android (android.graphics.Color)	4289092471 (0xFFA65B77)
YUV	116.6170, 1.1748, 43.3089
Hunter-Lab	41.1353, 26.9360, 0.6636

Details

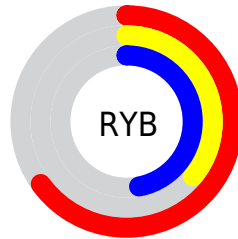
The XYZ color **22.7967, 16.9211, 19.5173** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **22.5388, 31.3319, 28.9062**, and the grayscale version is **16.7794, 17.6533, 19.2244**.

A 20% lighter version of the original color is **47.6046, 38.2732, 43.4065**, and **8.6474, 5.5556, 6.5778** is the 20% darker color. If you saturate the color by 10%, you get **20.9404, 14.1543, 15.9829**, and if you desaturate by 10%, it is **25.0362, 20.3447, 23.5172**.

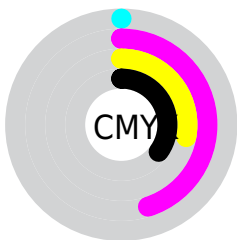
Distribution



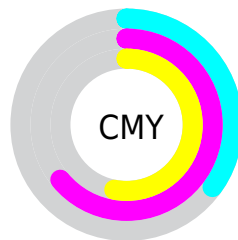
- Red (65%)
- Green (36%)
- Blue (47%)



- Red (65%)
- Yellow (36%)
- Blue (47%)



- Cyan (0%)
- Magenta (45%)
- Yellow (28%)
- Black (35%)



- Cyan (35%)
- Magenta (64%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7967, 16.9211, 19.5173 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 22.7967, 16.9211, 19.5173 by changing the saturation by 10% instead.

■ 22.7967, 16.9211,
19.5173

■ 22.7967, 16.9211,
19.5173

259.2340,
234.7173, 261.8071

■ 14.5633, 10.1783,
11.8641

■ 47.5284, 38.1901,
43.4547

■ 8.5978, 5.5173,
6.5298

■ 64.7575, 53.4850,
60.5759

■ 4.5348, 2.5539,
3.0959

■ 85.7158, 72.3994,
81.6903

■ 2.0089, 0.9035,
1.1438

■ 110.7687, 95.3176,
107.2162

■ 0.6390, 0.0000,
0.0000

140.2817,
122.6242, 137.5723

■ 0.0000, 0.0000,
0.0000

174.6200,

154.7034, 173.1772

214.1489,
191.9396, 214.4492

■ 22.7967, 16.9211,
19.5173

■ 22.7967, 16.9211,
19.5173

■ 20.9404, 14.1543,
15.9829

■ 25.0362, 20.3447,
23.5172

■ 19.4429, 11.9990,
12.8946

■ 27.6786, 24.4615,
27.9991

■ 18.2787, 10.4082,
10.2327

■ 30.7440, 29.3081,
32.9796

■ 17.4184, 9.3268,
7.9753

■ 34.2504, 34.9178,
38.4744

■ 16.8254, 8.6858,
6.0974

■ 38.2151, 41.3219,
44.4982

■ 16.5945, 8.4544,
5.3100

■ 42.6543, 48.5500,
51.0653

■ 47.5832, 56.6299,
58.1893

■ 53.0166, 65.5885,
65.8833

■ 58.9686, 75.4511,
74.1602

Harmonies

Analogous

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



21.5771, 16.9211, 29.5799



22.7967, 16.9211, 19.5173



22.0357, 16.9211, 11.8277

Triad

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



22.7967, 16.9211, 19.5173



13.5753, 16.9211, 6.9722



13.0043, 16.9211, 36.6177

Complementary

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



22.7967, 16.9211, 19.5173



22.5388, 31.3319, 28.9062

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.



11.3123, 16.9211, 27.1060



22.7967, 16.9211, 19.5173



11.6110, 16.9211, 10.4989

Square

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



22.7967, 16.9211, 19.5173



16.4603, 16.9211, 6.0977



10.8367, 16.9211, 17.3727



15.7115, 16.9211, 41.2571

Rectangle

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



22.7967, 16.9211, 19.5173



20.5545, 16.9211, 8.6196



10.8367, 16.9211, 17.3727



12.3121, 16.9211, 33.7603

Sweetspot

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



22.7972, 16.9219, 19.5176



56.3476, 54.0670, 60.7307



20.9823, 15.5759, 37.9769



12.3319, 11.6576, 13.1475



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.



22.7972, 16.9219, 19.5176



38.0581, 25.7665, 29.1124



22.1481, 17.9297, 12.1921



7.6426, 7.5869, 8.4352



12.8893, 6.5644, 4.2287



0.3384, 0.1696, 0.2336

Inverse Universe

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



22.7972, 16.9219, 19.5176



38.0581, 25.7665, 29.1124



23.2972, 29.1764, 40.4800



7.6426, 7.5869, 8.4352



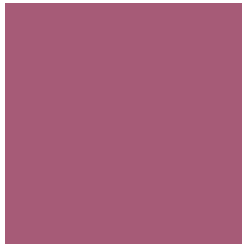
12.8893, 6.5644, 4.2287



0.3384, 0.1696, 0.2336

Previews

White Background



This preview shows how the XYZ color 22.7967, 16.9211, 19.5173 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 22.7967, 16.9211, 19.5173 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 22.7967, 16.9211, 19.5173

Background



This preview shows how black text looks on a background with the XYZ color 22.7967, 16.9211, 19.5173.



This preview shows how white text looks on a background with the XYZ color 22.7967, 16.9211,

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

22.7967, 16.9211, 19.5173

Protanopia

16.8065, 17.1076, 24.6066

Deuteranopia

17.2943, 16.9898, 18.8909



Tritanopia

21.6615, 16.8375, 14.4202

Trichromacy



Original Color

22.7967, 16.9211, 19.5173

Protanomaly

18.4104, 16.6919, 22.6736

Deuteranomaly

18.9764, 16.7604, 19.0645

Tritanomaly

22.1382, 16.9107, 16.2846

Monochromacy



Original Color

22.7967, 16.9211, 19.5173

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

18.6243, 17.1840, 19.4748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7967, 16.9211, 19.5173 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, 91, 119)` looks like.

```
.text, #text, p{  
    color:rgb(166, 91, 119)  
}
```

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, 91, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 91, 119) }
```

Border

The CSS property to change the border of an element to XYZ 22.7967, 16.9211, 19.5173 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, 91, 119) }
```


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

```
.border{ border-color:rgb(166, 91, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 91, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 91, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 91, 119); box-shadow:4px 4px 4px 4px rgb(166, 91, 119) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7967, 16.9211, 19.5173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 91, 119) }
```

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

```
.background{ background-color: rgb(166, 91,  
119) }
```

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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