

Converting Colors

XYZ(22.7017, 16.3605, 20.9905)

Have a look what the booklet for
XYZ(22.7017, 16.3605, 20.9905)
contains.

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Color

**XYZ(22.7722, 16.3786,
21.0299)**

Conversions

Conversions Part 1

Format	Color
Hex	A6577C
RGB	166, 87, 124
RGB Percent	65%, 34%, 49%
CMY	0.3490, 0.6588, 0.5137
CMYK	0.00, 0.48, 0.25, 0.35
HSL	332°, 31%, 50%
HSV	332°, 48%, 65%
XYZ	22.7722, 16.3786, 21.0299
YIQ	114.8390, 35.2070, 28.2550

Conversions

Conversions Part 2

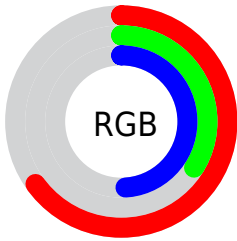
Format	Color
R_{YB}	166, 87, 124
Decimal	10901372
CIE _{Lab}	47.47, 36.98, -6.18
CIE _{LCh}	47, 37.493, 350.510
Yxy	16.3786, 0.3784, 0.2722
Android (android.graphics.Color)	4289091452 (0xFFA6577C)
YUV	114.8390, 4.5164, 44.8682
Hunter-Lab	40.4705, 29.6162, -2.4799

Details

The XYZ color **22.7722, 16.3786, 21.0299** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **21.5300, 30.8842, 25.5969**, and the grayscale version is **16.2267, 17.0717, 18.5911**.

A 20% lighter version of the original color is **47.5005, 37.2878, 45.7680**, and **8.6137, 5.2759, 7.2210** is the 20% darker color. If you saturate the color by 10%, you get **21.0461, 13.7800, 17.8229**, and if you desaturate by 10%, it is **24.8582, 19.6169, 24.6037**.

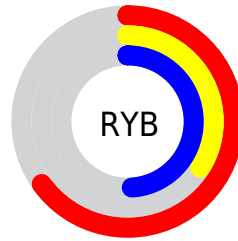
Distribution



Red (65%)

Green (34%)

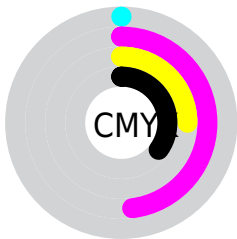
Blue (49%)



Red (65%)

Yellow (34%)

Blue (49%)

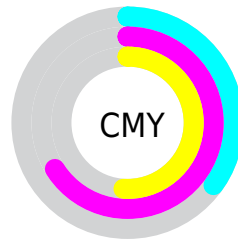


Cyan (0%)

Magenta (48%)

Yellow (25%)

Black (35%)



Cyan (35%)

Magenta (66%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7722, 16.3786, 21.0299 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 22.7722, 16.3786, 21.0299 by changing the saturation by 10% instead.

■ 22.7722, 16.3786,
21.0299

■ 22.7722, 16.3786,
21.0299

259.1100,
231.5655, 270.2236

■ 14.5452, 9.7925,
12.9544

■ 47.4884, 37.2542,
46.0187

■ 8.5850, 5.2616,
7.2668

■ 64.7083, 52.3125,
63.7691

■ 4.5264, 2.4015,
3.5485

■ 85.6565, 70.9636,
85.5816

■ 2.0041, 0.8267,
1.3811

■ 110.6985, 93.5920,
111.8747

■ 0.6362, 0.0000,
0.1269

■ 140.1994,
120.5819, 143.0668

■ 0.0000, 0.0000,
0.0000

174.5247,

152.3179, 179.5767

214.0398,
189.1843, 221.8228

■ 22.7722, 16.3786,
21.0299

■ 22.7722, 16.3786,
21.0299

■ 21.0461, 13.7800,
17.8229

■ 24.8582, 19.6169,
24.6037

■ 19.6558, 11.7751,
14.9678

■ 27.3235, 23.5318,
28.5564

■ 18.5761, 10.3158,
12.4496


■ 30.1875, 28.1603,
32.9007


■ 17.7774, 9.3451,
10.2515


■ 33.4680, 33.5360,
37.6483


■ 17.2127, 8.7713,
8.3504

■ 37.1816, 39.6902,
42.8103

 17.0919, 8.6534,
7.9289

 41.3439, 46.6527,
48.3974

 45.9700, 54.4516,
54.4198

 51.0739, 63.1134,
60.8872

 56.6693, 72.6638,
67.8093

Harmonies

Analogous

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



21.0478, 16.3786, 32.2156



22.7722, 16.3786, 21.0299



22.3647, 16.3786, 12.1512

Triad

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



22.7722, 16.3786, 21.0299



13.4308, 16.3786, 5.5849



11.8414, 16.3786, 36.0503

Complementary

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



22.7722, 16.3786, 21.0299



21.5300, 30.8842, 25.5969

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.



10.3091, 16.3786, 25.0579



22.7722, 16.3786, 21.0299



11.1318, 16.3786, 8.5316

Square

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



22.7722, 16.3786, 21.0299



16.6467, 16.3786, 5.1752



10.0693, 16.3786, 14.9786



14.5357, 16.3786, 42.7117

Rectangle

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



22.7722, 16.3786, 21.0299



20.9584, 16.3786, 8.3797



10.0693, 16.3786, 14.9786



11.1905, 16.3786, 32.5876

Sweetspot

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



22.7727, 16.3794, 21.0302



56.6829, 54.2011, 62.4964



19.1664, 14.1455, 37.7968



12.4165, 11.6914, 13.5928



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.



22.7727, 16.3794, 21.0302



38.0642, 24.8141, 32.0885



20.9626, 15.8275, 10.9679



7.6718, 7.5986, 8.5891



13.2771, 6.7196, 6.2708



0.3490, 0.1739, 0.2895

Inverse Universe

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



22.7727, 16.3794, 21.0302



38.0642, 24.8141, 32.0885



24.2121, 31.5760, 40.8954



7.6718, 7.5986, 8.5891



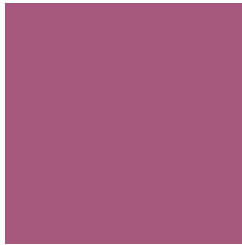
13.2771, 6.7196, 6.2708



0.3490, 0.1739, 0.2895

Previews

White Background



This preview shows how the XYZ color 22.7722, 16.3786, 21.0299 looks on a white background.

Color Contrast Check

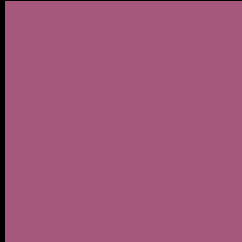
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7722, 16.3786, 21.0299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

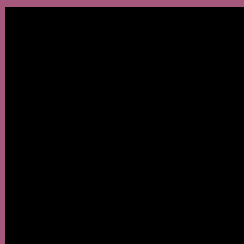
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.7722, 16.3786, 21.0299

Background



This preview shows how black text looks on a background with the XYZ color 22.7722, 16.3786, 21.0299.



This preview shows how white text looks on a background with the XYZ color 22.7722, 16.3786,

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

22.7722, 16.3786, 21.0299

Protanopia

16.4717, 16.5460, 27.1365

Deuteranopia

16.8513, 16.5729, 20.0800



Tritanopia

21.3891, 16.4477, 13.8518

Trichromacy



Original Color

22.7722, 16.3786, 21.0299

Protanomaly

18.0554, 16.0109, 24.6930

Deuteranomaly

18.5191, 16.2016, 20.2403

Tritanomaly

21.8800, 16.3944, 16.1986

Monochromacy



Original Color

22.7722, 16.3786, 21.0299

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

18.1531, 16.4795, 19.3636

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7722, 16.3786, 21.0299 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, 87, 124)` looks like.

```
.text, #text, p{  
    color:rgb(166, 87, 124)  
}
```

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, 87, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 87, 124) }
```

Border

The CSS property to change the border of an element to XYZ 22.7722, 16.3786, 21.0299 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, 87, 124) }
```


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

```
.border{ border-color:rgb(166, 87, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 87, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 87, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 87, 124);  
box-shadow:4px 4px 4px 4px rgb(166, 87,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7722, 16.3786, 21.0299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 87, 124) }
```

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

```
.background{ background-color: rgb(166, 87,  
124) }
```

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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