

Converting Colors

XYZ(22.3180, 16.7014, 17.6166)

Have a look what the booklet for
XYZ(22.3180, 16.7014, 17.6166)
contains.

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Color

**XYZ(22.2388, 16.6738,
17.6690)**

Conversions

Conversions Part 1

Format	Color
Hex	A55B71
RGB	165, 91, 113
RGB Percent	65%, 36%, 44%
CMY	0.3529, 0.6431, 0.5569
CMYK	0.00, 0.45, 0.32, 0.35
HSL	342°, 29%, 50%
HSV	342°, 45%, 65%
XYZ	22.2388, 16.6738, 17.6690
YIQ	115.6340, 37.0420, 22.5300

Conversions

Conversions Part 2

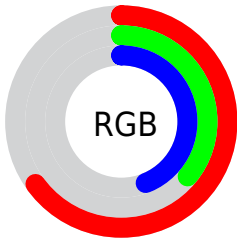
Format	Color
R _Y B	165, 91, 113
Decimal	10836849
CIE Lab	47.85, 32.90, 0.99
CIE LCh	48, 32.917, 1.725
Yxy	16.6738, 0.3930, 0.2947
Android (android.graphics.Color)	4289026929 (0xFFA55B71)
YUV	115.6340, -1.2986, 43.2940
Hunter-Lab	40.8336, 25.7560, 2.9283

Details

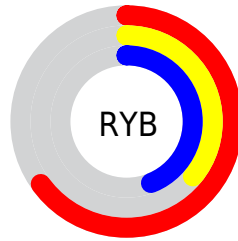
The XYZ color **22.2388, 16.6738, 17.6690** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.7283, 31.1180, 30.7969**, and the grayscale version is **16.4849, 17.3434, 18.8870**.

A 20% lighter version of the original color is **46.7382, 37.8911, 40.4477**, and **8.3376, 5.4171, 5.6072** is the 20% darker color. If you saturate the color by 10%, you get **20.3686, 13.9121, 14.0280**, and if you desaturate by 10%, it is **24.5035, 20.0907, 21.8533**.

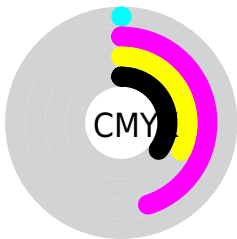
Distribution



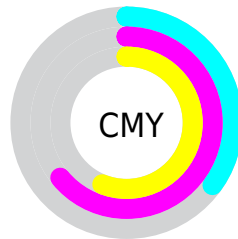
- Red (65%)
- Green (36%)
- Blue (44%)



- Red (65%)
- Yellow (36%)
- Blue (44%)



- Cyan (0%)
- Magenta (45%)
- Yellow (32%)
- Black (35%)



- Cyan (35%)
- Magenta (64%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2388, 16.6738, 17.6690 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 22.2388, 16.6738, 17.6690 by changing the saturation by 10% instead.

■ 22.2388, 16.6738,
17.6690

■ 22.2388, 16.6738,
17.6690

256.3998,
233.2855, 251.1718

■ 14.1501, 10.0022,
10.5456

■ 46.6163, 37.7641,
40.2788

■ 8.3075, 5.4004,
5.6519

■ 63.6357, 52.9515,
56.6023

■ 4.3458, 2.4841,
2.5692

■ 84.3628, 71.7464,
76.8296

■ 1.8996, 0.8686,
0.8765

■ 109.1628, 94.5330,
101.3792

■ 0.5766, 0.0000,
0.0000

138.4012,
121.6959, 130.6697

■ 0.0000, 0.0000,
0.0000

172.4433,

153.6193, 165.1196

211.6543,
190.6877, 205.1475

■ 22.2388, 16.6738,
17.6690

■ 22.2388, 16.6738,
17.6690

■ 20.3686, 13.9121,
14.0280

■ 24.5035, 20.0907,
21.8533

■ 18.8678, 11.7609,
10.9061

■ 27.1829, 24.1989,
26.6020

■ 17.7105, 10.1735,
8.2784


■ 30.2975, 29.0348,
31.9358


■ 16.8666, 9.0955,
6.1172


■ 33.8661, 34.6314,
37.8744


■ 16.2996, 8.4600,
4.3913


■ 37.9062, 41.0199,
44.4363

 16.0725, 8.2215,
3.6508

 42.4344, 48.2295,
51.6393

 47.4666, 56.2881,
59.5005

 53.0179, 65.2221,
68.0363

 59.1027, 75.0569,
77.2624

Harmonies

Analogous

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



21.4023, 16.6738, 27.0142



22.2388, 16.6738, 17.6690



21.1938, 16.6738, 10.8668

Triad

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



22.2388, 16.6738, 17.6690



13.0417, 16.6738, 7.5267



13.3039, 16.6738, 36.6071

Complementary

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



22.2388, 16.6738, 17.6690



22.7283, 31.1180, 30.7969

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.



11.4863, 16.6738, 28.1364



22.2388, 16.6738, 17.6690



11.3487, 16.6738, 11.4812

Square

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



22.2388, 16.6738, 17.6690



15.6774, 16.6738, 6.2568



10.8163, 16.6738, 18.6497



16.0198, 16.6738, 39.7845

Rectangle

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



22.2388, 16.6738, 17.6690



19.6380, 16.6738, 8.1358



10.8163, 16.6738, 18.6497



12.5799, 16.6738, 34.1769

Sweetspot

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



22.2393, 16.6746, 17.6693



55.2322, 53.5169, 58.8303



21.8264, 16.0216, 37.5395



11.7968, 11.2655, 12.3930



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



22.2393, 16.6746, 17.6693



36.4354, 24.8526, 25.0363



22.5395, 19.0225, 12.3824



7.1564, 7.1190, 7.8099



12.1787, 6.2275, 2.8655



0.2757, 0.1388, 0.1646

Inverse Universe

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



22.2393, 16.6746, 17.6693



36.4354, 24.8526, 25.0363



22.0449, 26.8180, 39.6119



7.1564, 7.1190, 7.8099



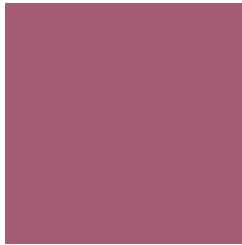
12.1787, 6.2275, 2.8655



0.2757, 0.1388, 0.1646

Previews

White Background



This preview shows how the XYZ color 22.2388, 16.6738, 17.6690 looks on a white background.

Color Contrast Check

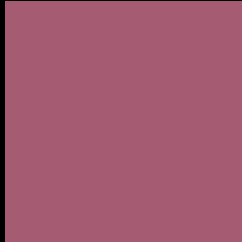
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2388, 16.6738, 17.6690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

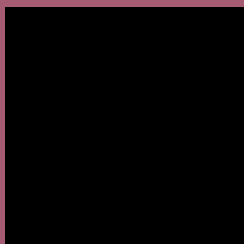
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.2388, 16.6738, 17.6690

Background



This preview shows how black text looks on a background with the XYZ color 22.2388, 16.6738, 17.6690.



This preview shows how white text looks on a background with the XYZ color 22.2388, 16.6738,

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

22.2388, 16.6738, 17.6690

Protanopia

16.3531, 16.7614, 22.1120

Deuteranopia

17.1428, 16.7897, 17.0891



Tritanopia

21.5244, 16.6413, 14.1342

Trichromacy



Original Color

22.2388, 16.6738, 17.6690

Protanomaly

17.8628, 16.3089, 20.2956

Deuteranomaly

18.7040, 16.5109, 17.2400

Tritanomaly

21.6868, 16.5667, 15.4193

Monochromacy



Original Color

22.2388, 16.6738, 17.6690

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

18.1837, 16.8215, 18.5081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2388, 16.6738, 17.6690 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(165, 91, 113)` looks like.

```
.text, #text, p{  
    color:rgb(165, 91, 113)  
}
```

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(165, 91, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 91, 113) }
```

Border

The CSS property to change the border of an element to XYZ 22.2388, 16.6738, 17.6690 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(165, 91, 113) }
```


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

```
.border{ border-color:rgb(165, 91, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 91, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 91, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 91, 113);  
box-shadow:4px 4px 4px 4px rgb(165, 91,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2388, 16.6738, 17.6690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 91, 113) }
```

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

```
.background{ background-color: rgb(165, 91,  
113) }
```

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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