

Converting Colors

XYZ(22.2989, 15.2026, 17.0797)

Have a look what the booklet for
XYZ(22.2989, 15.2026, 17.0797)
contains.

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Color

**XYZ(22.2266, 15.1647,
17.0848)**

Conversions

Conversions Part 1

Format	Color
Hex	AA4E70
RGB	170, 78, 112
RGB Percent	67%, 31%, 44%
CMY	0.3333, 0.6941, 0.5608
CMYK	0.00, 0.54, 0.34, 0.33
HSL	338°, 37%, 49%
HSV	338°, 54%, 67%
XYZ	22.2266, 15.1647, 17.0848
YIQ	109.3840, 43.9180, 30.0780

Conversions

Conversions Part 2

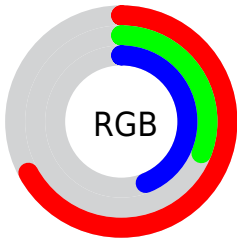
Format	Color
RYB	170, 78, 112
Decimal	11161200
CIELab	45.86, 41.41, -1.22
CIELCh	46, 41.430, 358.313
Yxy	15.1647, 0.4080, 0.2784
Android (android.graphics.Color)	4289351280 (0xFFAA4E70)
YUV	109.3840, 1.2897, 53.1602
Hunter-Lab	38.9419, 33.7330, 1.2473

Details

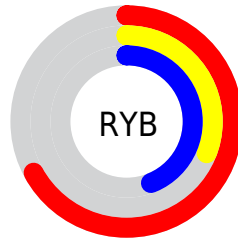
The XYZ color **22.2266, 15.1647, 17.0848** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **21.9614, 32.1472, 28.3420**, and the grayscale version is **14.6332, 15.3952, 16.7654**.

A 20% lighter version of the original color is **46.6784, 35.1396, 39.4444**, and **8.3433, 4.7103, 5.3199** is the 20% darker color. If you saturate the color by 10%, you get **20.6095, 12.8293, 13.7746**, and if you desaturate by 10%, it is **24.2278, 18.1545, 20.8738**.

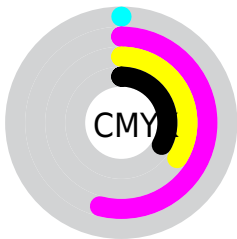
Distribution



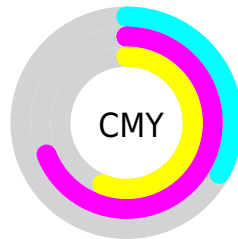
- Red (67%)
- Green (31%)
- Blue (44%)



- Red (67%)
- Yellow (31%)
- Blue (44%)



- Cyan (0%)
- Magenta (54%)
- Yellow (34%)
- Black (33%)





- Cyan (33%)
- Magenta (69%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.2266, 15.1647, 17.0848 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 22.2266, 15.1647, 17.0848 by changing the saturation by 10% instead.


 22.2266, 15.1647,
17.0848


 22.2266, 15.1647,
17.0848


256.3375,
224.3610, 247.7211


 14.1410, 8.9351,
10.1324


 46.5963, 35.1419,
39.2642


 8.3012, 4.6988,
5.3801


 63.6111, 49.6582,
55.3282


 4.3417, 2.0717,
2.4093

 84.3331, 67.7055,
75.2665

 1.8972, 0.6486,
0.7915

 109.1276, 89.6682,
99.4976

 0.5752, 0.0000,
0.0000

 138.3599,
115.9307, 128.4401

 0.0000, 0.0000,
0.0000

172.3955,

146.8774, 162.5124

211.5995,
182.8927, 202.1333

■ 22.2266, 15.1647,
17.0848

■ 22.2266, 15.1647,
17.0848

■ 20.6095, 12.8293,
13.7746

■ 24.2278, 18.1545,
20.8738

■ 19.3481, 11.0957,
10.9212

■ 26.6362, 21.8411,
25.1606

■ 18.4120, 9.9071,
8.5016

■ 29.4744, 26.2664,
29.9639

■ 17.7644, 9.1945,
6.4896

■ 32.7630, 31.4678,
35.3012

■ 17.4698, 8.9029,
5.4740

■ 36.5212, 37.4806,
41.1892

■ 40.7670, 44.3376,
47.6437

■ 45.5175, 52.0701,
54.6799

■ 50.7891, 60.7074,
62.3123

■ 56.5972, 70.2778,
70.5550

Harmonies

Analogous

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



20.9201, 15.1647, 28.8221



22.2266, 15.1647, 17.0848



21.1747, 15.1647, 8.9636

Triad

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



22.2266, 15.1647, 17.0848



11.4560, 15.1647, 4.7044



11.1645, 15.1647, 38.8942

Complementary

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



22.2266, 15.1647, 17.0848



21.9614, 32.1472, 28.3420

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.



9.2708, 15.1647, 27.4228



22.2266, 15.1647, 17.0848



9.4190, 15.1647, 8.3264

Square

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



22.2266, 15.1647, 17.0848



14.6123, 15.1647, 3.7795



8.6867, 15.1647, 15.9517



14.2167, 15.1647, 44.1806

Rectangle

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



22.2266, 15.1647, 17.0848



19.3597, 15.1647, 5.9074



8.6867, 15.1647, 15.9517



10.3910, 15.1647, 35.4534

Sweetspot

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



22.2270, 15.1655, 17.0851



58.0754, 54.9185, 61.8594



19.9297, 13.4808, 39.5819



12.6792, 11.8162, 13.3567



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.



22.2270, 15.1655, 17.0851



36.8700, 22.5417, 23.8573



21.5036, 16.1974, 9.2018



7.6415, 7.5864, 8.4291



12.8760, 6.5591, 4.1585



0.3380, 0.1695, 0.2314

Inverse Universe

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



22.2270, 15.1655, 17.0851



36.8700, 22.5417, 23.8573



22.8422, 29.4106, 42.5032



7.6415, 7.5864, 8.4291



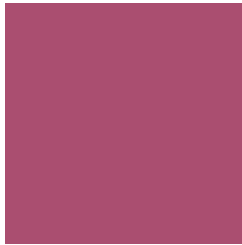
12.8760, 6.5591, 4.1585



0.3380, 0.1695, 0.2314

Previews

White Background



This preview shows how the XYZ color 22.2266, 15.1647, 17.0848 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

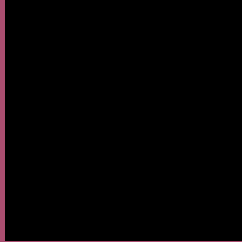
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.2266, 15.1647, 17.0848

Background



This preview shows how black text looks on a background with the XYZ color 22.2266, 15.1647, 17.0848.



This preview shows how white text looks on a background with the XYZ color 22.2266, 15.1647,

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

22.2266, 15.1647, 17.0848

Protanopia

15.1682, 15.3069, 23.6278

Deuteranopia

15.6065, 15.3838, 16.3342



Tritanopia

21.0032, 15.2159, 11.0625

Trichromacy



Original Color

22.2266, 15.1647, 17.0848

Protanomaly

16.8149, 14.5938, 20.9994

Deuteranomaly

17.4244, 14.8731, 16.4204

Tritanomaly

21.4623, 15.1829, 13.1087

Monochromacy



Original Color

22.2266, 15.1647, 17.0848

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

16.5422, 14.6864, 16.7147

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2266, 15.1647, 17.0848 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(170, 78, 112)` looks like.

```
.text, #text, p{  
    color:rgb(170, 78, 112)  
}
```

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(170, 78, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 78, 112) }
```

Border

The CSS property to change the border of an element to XYZ 22.2266, 15.1647, 17.0848 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(170, 78, 112) }
```


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

```
.border{ border-color:rgb(170, 78, 112) }
```

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

Here you see how a box with a 4 pixel rgb(170, 78, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 78, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 78, 112);  
box-shadow:4px 4px 4px 4px rgb(170, 78,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2266, 15.1647, 17.0848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 78, 112) }
```

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

```
.background{ background-color: rgb(170, 78,  
112) }
```

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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