

Converting Colors

XYZ(22.4451, 15.1370, 22.9858)

Have a look what the booklet for
XYZ(22.4451, 15.1370, 22.9858)
contains.

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Color

**XYZ(22.4795, 15.1675,
22.8619)**

Conversions

Conversions Part 1

Format	Color
Hex	A64E82
RGB	166, 78, 130
RGB Percent	65%, 31%, 51%
CMY	0.3490, 0.6941, 0.4902
CMYK	0.00, 0.53, 0.22, 0.35
HSL	325°, 36%, 48%
HSV	325°, 53%, 65%
XYZ	22.4795, 15.1675, 22.8619
YIQ	110.2400, 35.7560, 34.8280

Conversions

Conversions Part 2

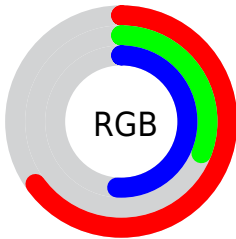
Format	Color
R_{YB}	166, 78, 130
Decimal	10899074
CIE _{Lab}	45.86, 42.56, -12.21
CIE _{LCh}	46, 44.277, 343.989
Yxy	15.1675, 0.3715, 0.2507
Android (android.graphics.Color)	4289089154 (0xFFA64E82)
YUV	110.2400, 9.7417, 48.9015
Hunter-Lab	38.9455, 34.8764, -7.5428

Details

The XYZ color **22.4795, 15.1675, 22.8619** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **19.8161, 30.1074, 20.6879**, and the grayscale version is **14.8562, 15.6298, 17.0209**.

A 20% lighter version of the original color is **46.9613, 35.0721, 49.0942**, and **8.3884, 4.6688, 8.2436** is the 20% darker color. If you saturate the color by 10%, you get **21.0046, 12.9232, 20.1950**, and if you desaturate by 10%, it is **24.2831, 18.0206, 25.7871**.

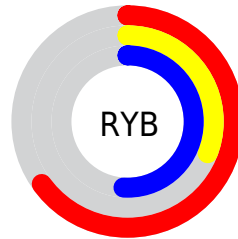
Distribution



Red (65%)

Green (31%)

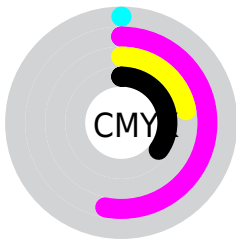
Blue (51%)



Red (65%)

Yellow (31%)

Blue (51%)

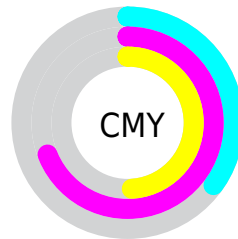


Cyan (0%)

Magenta (53%)

Yellow (22%)

Black (35%)



Cyan (35%)

Magenta (69%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4795, 15.1675, 22.8619 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 22.4795, 15.1675, 22.8619 by changing the saturation by 10% instead.

■ 22.4795, 15.1675,
22.8619

■ 22.4795, 15.1675,
22.8619

257.6258,
224.3778, 280.1138

■ 14.3282, 8.9370,
14.2872

■ 47.0102, 35.1468,
49.0868

■ 8.4325, 4.7001,
8.1797

■ 64.1204, 49.6643,
67.5741

■ 4.4271, 2.0724,
4.1207

■ 84.9475, 67.7131,
90.2027

■ 1.9465, 0.6490,
1.6918

■ 109.8570, 89.6773,
117.3911

■ 0.6036, 0.0000,
0.3551

■ 139.2143,
115.9416, 149.5578

■ 0.0000, 0.0000,
0.0000

173.3845,

146.8901, 187.1215

212.7333,
182.9074, 230.5007

■ 22.4795, 15.1675,
22.8619

■ 22.4795, 15.1675,
22.8619

■ 21.0046, 12.9232,
20.1950

■ 24.2831, 18.0206,
25.7871

■ 19.8336, 11.2396,
17.7749

■ 26.4350, 21.5216,
28.9795

■ 18.9402, 10.0649,
15.5900

■ 28.9549, 25.7087,
32.4486

■ 18.2926, 9.3364,
13.6267

■ 31.8606, 30.6165,
36.2027

■ 17.9347, 8.9905,
12.3671

■ 35.1686, 36.2774,
40.2501

■ 38.8945, 42.7216,
44.5983

■ 43.0531, 49.9779,
49.2548

■ 47.6582, 58.0734,
54.2266

■ 52.7233, 67.0341,
59.5205

Harmonies

Analogous

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



20.0013, 15.1675, 36.1718



22.4795, 15.1675, 22.8619



22.5678, 15.1675, 12.0252

Triad

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



22.4795, 15.1675, 22.8619



12.7490, 15.1675, 3.5173



9.8421, 15.1675, 35.3133

Complementary

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



22.4795, 15.1675, 22.8619



19.8161, 30.1074, 20.6879

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.



8.5103, 15.1675, 22.0024



22.4795, 15.1675, 22.8619



9.9817, 15.1675, 5.6970

Square

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



22.4795, 15.1675, 22.8619



16.4891, 15.1675, 3.5847



8.5565, 15.1675, 11.4668



12.5248, 15.1675, 45.2217

Rectangle

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



22.4795, 15.1675, 22.8619



21.2281, 15.1675, 7.4789



8.5565, 15.1675, 11.4668



9.2440, 15.1675, 30.8873

Sweetspot

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



22.4800, 15.1682, 22.8622



56.0107, 52.4890, 63.4060



16.4439, 11.7269, 37.4733



12.2993, 11.3489, 13.8868



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.



22.4800, 15.1682, 22.8622



37.6125, 22.7045, 35.6569



20.1630, 14.2415, 10.6612



7.7101, 7.6139, 8.7904



13.9310, 6.9811, 9.7144



0.3634, 0.1796, 0.3651

Inverse Universe

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



22.4800, 15.1682, 22.8622



37.6125, 22.7045, 35.6569



22.8815, 31.3336, 36.8302



7.7101, 7.6139, 8.7904



13.9310, 6.9811, 9.7144



0.3634, 0.1796, 0.3651

Previews

White Background



This preview shows how the XYZ color 22.4795, 15.1675, 22.8619 looks on a white background.

Color Contrast Check

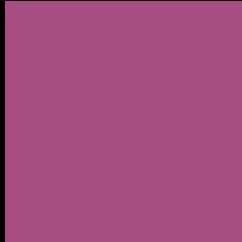
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4795, 15.1675, 22.8619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

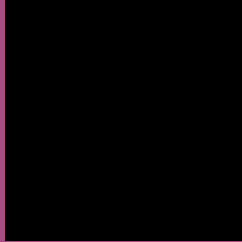
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.4795, 15.1675, 22.8619

Background



This preview shows how black text looks on a background with the XYZ color 22.4795, 15.1675, 22.8619.



This preview shows how white text looks on a background with the XYZ color 22.4795, 15.1675,

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

22.4795, 15.1675, 22.8619

Protanopia

15.7723, 15.4463, 31.4283

Deuteranopia

15.5378, 15.2335, 21.5235



Tritanopia

20.1598, 15.1097, 11.9791

Trichromacy



Original Color

22.4795, 15.1675, 22.8619

Protanomaly

17.1178, 14.5975, 27.9020

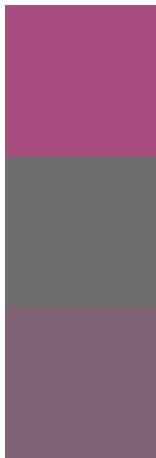
Deuteranomaly

17.5294, 14.8036, 22.0122

Tritanomaly

20.7990, 15.0137, 15.4374

Monochromacy



Original Color

22.4795, 15.1675, 22.8619

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

16.7845, 14.7655, 18.7950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4795, 15.1675, 22.8619 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, 78, 130)` looks like.

```
.text, #text, p{  
    color:rgb(166, 78, 130)  
}
```

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, 78, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 78, 130) }
```

Border

The CSS property to change the border of an element to XYZ 22.4795, 15.1675, 22.8619 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, 78, 130) }
```


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

```
.border{ border-color:rgb(166, 78, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 78, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 78, 130); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 78, 130); box-shadow:4px 4px 4px 4px rgb(166, 78, 130) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4795, 15.1675, 22.8619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 78, 130) }
```

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

```
.background{ background-color: rgb(166, 78,  
130) }
```

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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