

Converting Colors

XYZ(22.7382, 17.8165, 32.4006)

Have a look what the booklet for
XYZ(22.7382, 17.8165, 32.4006)
contains.

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Color

**XYZ(22.7014, 17.8038,
32.3770)**

Conversions

Conversions Part 1

Format	Color
Hex	956499
RGB	149, 100, 153
RGB Percent	58%, 39%, 60%
CMY	0.4157, 0.6078, 0.4000
CMYK	0.03, 0.35, 0.00, 0.40
HSL	295°, 21%, 50%
HSV	295°, 35%, 60%
XYZ	22.7014, 17.8038, 32.3770
YIQ	120.6930, 12.1910, 26.8710

Conversions

Conversions Part 2

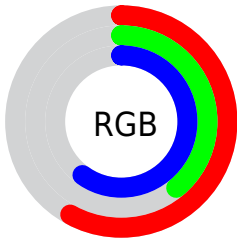
Format	Color
R_{YB}	149, 100, 153
Decimal	9790617
CIE _{Lab}	49.26, 28.94, -20.98
CIE _{LCh}	49, 35.746, 324.062
Yxy	17.8038, 0.3115, 0.2443
Android (android.graphics.Color)	4287980697 (0xFF956499)
YUV	120.6930, 15.9274, 24.8252
Hunter-Lab	42.1945, 22.1956, -15.9586

Details

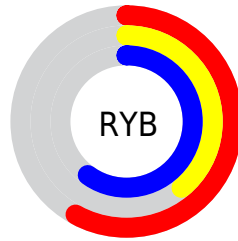
The XYZ color **22.7014, 17.8038, 32.3770** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.4010, 26.6461, 16.1781**, and the grayscale version is **18.0230, 18.9616, 20.6492**.

A 20% lighter version of the original color is **47.3926, 39.7988, 64.2156**, and **8.5560, 5.9567, 13.2692** is the 20% darker color. If you saturate the color by 10%, you get **21.1600, 15.0319, 31.9235**, and if you desaturate by 10%, it is **24.5216, 21.1295, 32.9233**.

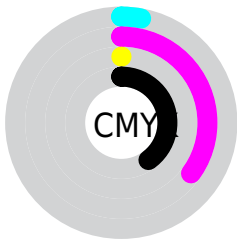
Distribution



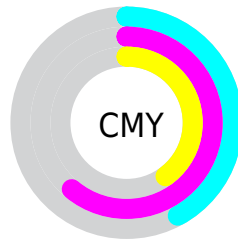
- Red (58%)
- Green (39%)
- Blue (60%)



- Red (58%)
- Yellow (39%)
- Blue (60%)



- Cyan (3%)
- Magenta (35%)
- Yellow (0%)
- Black (40%)



- Cyan (42%)
- Magenta (61%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7014, 17.8038, 32.3770 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 22.7014, 17.8038, 32.3770 by changing the saturation by 10% instead.

■ 22.7014, 17.8038,
32.3770

■ 22.7014, 17.8038,
32.3770

258.7517,
239.7628, 327.3785

■ 14.4927, 10.8092,
21.3824

■ 47.3728, 39.7027,
64.5064

■ 8.5481, 5.9387,
13.2099

■ 64.5662, 55.3758,
86.4783

■ 4.5023, 2.8078,
7.4408

■ 85.4852, 74.7106,
112.9464

■ 1.9901, 1.0323,
3.6567

■ 110.4952, 98.0914,
144.3292

■ 0.6284, 0.0000,
1.4389

139.9615,
125.9026, 181.0453

■ 0.0000, 0.0000,
0.1718

174.2494,

■ 0.0000, 0.0000,

158.5287, 223.5132

0.0000

213.7243,
196.3540, 272.1514

■ 22.7014, 17.8038,
32.3770

■ 22.7014, 17.8038,
32.3770

■ 21.1600, 15.0319,
31.9235

■ 24.5216, 21.1295,
32.9233

■ 19.8803, 12.7806,
31.5564

■ 26.6332, 25.0352,
33.5658

■ 18.8458, 11.0166,
31.2704

■ 29.0499, 29.5483,
34.3096

■ 18.0375, 9.7019,
31.0593

■ 31.7844, 34.6936,
35.1586

■ 17.4336, 8.7929,
30.9156

■ 34.8484, 40.4947,
36.1168

■ 17.0069, 8.2353,
30.8305

■ 38.2529, 46.9738,
37.1880

■ 16.8118, 8.0026,
30.7959

■ 42.0087, 54.1523,
38.3756

■ 46.1259, 62.0505,
39.6831

■ 50.6142, 70.6878,
41.1137

Harmonies

Analogous

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



19.6911, 17.8038, 41.6239



22.7014, 17.8038, 32.3770



24.1842, 17.8038, 21.3601

Triad

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



22.7014, 17.8038, 32.3770



17.5982, 17.8038, 6.2034



11.6882, 17.8038, 27.9369

Complementary

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



22.7014, 17.8038, 32.3770



19.4010, 26.6461, 16.1781

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.



11.2820, 17.8038, 17.5361



22.7014, 17.8038, 32.3770



14.4254, 17.8038, 6.9353

Square

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



22.7014, 17.8038, 32.3770



20.9978, 17.8038, 7.9438



12.2175, 17.8038, 10.4377



13.4110, 17.8038, 38.5232

Rectangle

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



22.7014, 17.8038, 32.3770



23.9833, 17.8038, 15.2335



12.2175, 17.8038, 10.4377



11.4036, 17.8038, 24.2303

Sweetspot

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



22.7020, 17.8046, 32.3774



49.5499, 48.2873, 60.6808



15.9984, 14.9948, 32.1884



10.8203, 10.4371, 13.3618



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



22.7020, 17.8046, 32.3774



38.3588, 27.7475, 57.3061



21.7857, 17.5238, 23.6779



6.4152, 6.2999, 7.8069



13.9069, 6.6203, 25.4526



0.2197, 0.1051, 0.3811

Inverse Universe

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



20.1933, 16.8869, 15.2926



33.1909, 25.8695, 21.5480



20.1654, 26.8995, 22.5694



6.2268, 6.2299, 6.5743



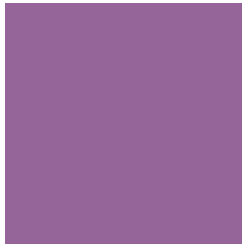
10.9154, 5.6204, 0.8136



0.1676, 0.0858, 0.0354

Previews

White Background



This preview shows how the XYZ color 22.7014, 17.8038, 32.3770 looks on a white background.

Color Contrast Check

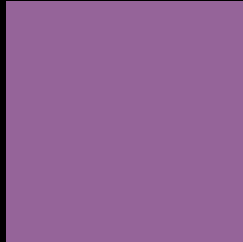
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7014, 17.8038, 32.3770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

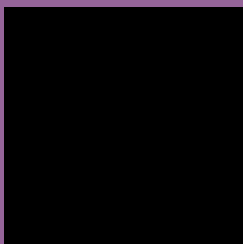
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.7014, 17.8038, 32.3770

Background



This preview shows how black text looks on a background with the XYZ color 22.7014, 17.8038, 32.3770.



This preview shows how white text looks on a background with the XYZ color 22.7014, 17.8038,

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

22.7014, 17.8038, 32.3770

Protanopia

18.5164, 18.0322, 38.1019

Deuteranopia

18.3178, 17.9082, 31.3453



Tritanopia

20.0165, 17.9154, 18.9260

Trichromacy



Original Color

22.7014, 17.8038, 32.3770

Protanomaly

19.6167, 17.6470, 36.0905

Deuteranomaly

19.6193, 17.7462, 31.6695

Tritanomaly

20.8681, 17.7991, 23.1046

Monochromacy



Original Color

22.7014, 17.8038, 32.3770

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.4988, 18.3290, 24.7005

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7014, 17.8038, 32.3770 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(149, 100, 153)` looks like.

```
.text, #text, p{  
    color:rgb(149, 100, 153)  
}
```

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(149, 100, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 100, 153) }
```

Border

The CSS property to change the border of an element to XYZ 22.7014, 17.8038, 32.3770 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(149, 100, 153) }
```


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

```
.border{ border-color:rgb(149, 100, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 100, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(149, 100, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(149, 100, 153); box-shadow:4px 4px 4px 4px rgb(149, 100, 153) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7014, 17.8038, 32.3770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 100, 153) }
```

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

```
.background{ background-color: rgb(149,  
100, 153) }
```

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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