

Converting Colors

XYZ(22.2632, 17.4403, 35.0493)

Have a look what the booklet for
XYZ(22.2632, 17.4403, 35.0493)
contains.

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Color

**XYZ(22.2214, 17.3562,
34.9798)**

Conversions

Conversions Part 1

Format	Color
Hex	90639F
RGB	144, 99, 159
RGB Percent	56%, 39%, 62%
CMY	0.4353, 0.6118, 0.3765
CMYK	0.09, 0.38, 0.00, 0.38
HSL	285°, 24%, 51%
HSV	285°, 38%, 62%
XYZ	22.2214, 17.3562, 34.9798
YIQ	119.2950, 7.5600, 28.2000

Conversions

Conversions Part 2

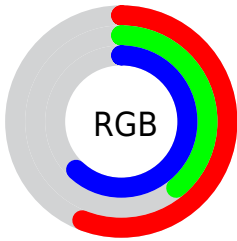
Format	Color
R_{YB}	144, 99, 159
Decimal	9462687
CIE _{Lab}	48.71, 29.12, -25.42
CIE _{LCh}	49, 38.650, 318.883
Yxy	17.3562, 0.2980, 0.2328
Android (android.graphics.Color)	4287652767 (0xFF90639F)
YUV	119.2950, 19.5746, 21.6663
Hunter-Lab	41.6608, 22.3036, -20.6194

Details

The XYZ color **22.2214, 17.3562, 34.9798** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.5904, 29.2750, 16.3180**, and the grayscale version is **17.5668, 18.4816, 20.1265**.

A 20% lighter version of the original color is **46.7574, 39.1304, 68.7069**, and **8.2513, 5.7045, 14.5761** is the 20% darker color. If you saturate the color by 10%, you get **20.1788, 14.2833, 34.4946**, and if you desaturate by 10%, it is **24.5862, 21.0364, 35.5658**.

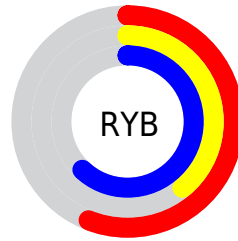
Distribution



Red (56%)

Green (39%)

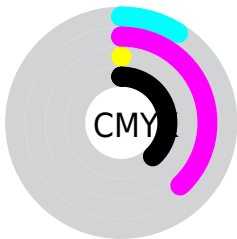
Blue (62%)



Red (56%)

Yellow (39%)

Blue (62%)

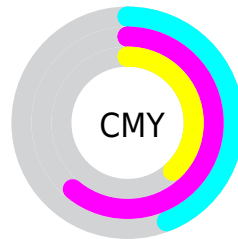


Cyan (9%)

Magenta (38%)

Yellow (0%)

Black (38%)



Cyan (44%)

Magenta (61%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2214, 17.3562, 34.9798 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 22.2214, 17.3562, 34.9798 by changing the saturation by 10% instead.

■ 22.2214, 17.3562,
34.9798

■ 22.2214, 17.3562,
34.9798

256.3110,
237.2168, 339.3807

■ 14.1372, 10.4888,
23.3639

■ 46.5878, 38.9372,
68.6057

■ 8.2985, 5.7242,
14.6546

■ 63.6007, 54.4196,
91.4527

■ 4.3399, 2.6781,
8.4334

■ 84.3205, 73.5424,
118.8806

■ 1.8962, 0.9661,
4.2818

■ 109.1126, 96.6900,
151.3078

■ 0.5746, 0.0000,
1.7812

138.3423,
124.2469, 189.1529

■ 0.0000, 0.0000,
0.4155

172.3751,

■ 0.0000, 0.0000,

156.5974, 232.8343

0.0000

211.5762,
194.1259, 282.7708

■ 22.2214, 17.3562,
34.9798

■ 22.2214, 17.3562,
34.9798

■ 20.1788, 14.2833,
34.4946

■ 24.5862, 21.0364,
35.5658

■ 18.4389, 11.7802,
34.1032

■ 27.2878, 25.3538,
36.2567

■ 16.9827, 9.8091,
33.7994

■ 30.3418, 30.3392,
37.0580

■ 15.7882, 8.3261,
33.5762

■ 33.7625, 36.0205,
37.9744

■ 14.8298, 7.2806,
33.4249

■ 37.5633, 42.4243,
39.0101

■ 14.0637, 6.5852,
33.3310

■ 41.7568, 49.5754,
40.1694

■ 13.9001, 6.4428,
33.3122

■ 46.3551, 57.4977,
41.4562

■ 51.3697, 66.2140,
42.8743

■ 56.8117, 75.7460,
44.4273

Harmonies

Analogous

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



18.8171, 17.3562, 44.2393



22.2214, 17.3562, 34.9798



24.1825, 17.3562, 22.9436

Triad

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



22.2214, 17.3562, 34.9798



17.8545, 17.3562, 5.4346



10.8212, 17.3562, 25.9939

Complementary

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



22.2214, 17.3562, 34.9798



21.5904, 29.2750, 16.3180

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.



10.6407, 17.3562, 15.3583



22.2214, 17.3562, 34.9798



14.3751, 17.3562, 5.7401

Square

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



22.2214, 17.3562, 34.9798



21.4299, 17.3562, 7.6270



11.8505, 17.3562, 8.7011



12.3852, 17.3562, 37.8929

Rectangle

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



22.2214, 17.3562, 34.9798



24.2424, 17.3562, 16.0243



11.8505, 17.3562, 8.7011



10.6061, 17.3562, 22.0961

Sweetspot

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



22.2220, 17.3569, 34.9802



52.3650, 51.0926, 65.8454



17.5351, 17.4182, 35.2390



11.6481, 11.2613, 14.8034



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



22.2220, 17.3569, 34.9802



36.7829, 26.5338, 61.9263



23.8713, 18.3397, 29.0704



6.7421, 6.6710, 8.3390



11.0181, 5.1090, 26.3127



0.2328, 0.1098, 0.4722

Inverse Universe

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



21.7978, 17.5103, 18.1515



36.0830, 26.9474, 26.9064



20.5250, 28.6417, 20.0702



6.6977, 6.6720, 7.2593



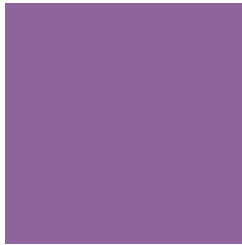
11.6070, 5.9474, 2.1814



0.2229, 0.1125, 0.1198

Previews

White Background



This preview shows how the XYZ color 22.2214, 17.3562, 34.9798 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 22.2214, 17.3562, 34.9798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

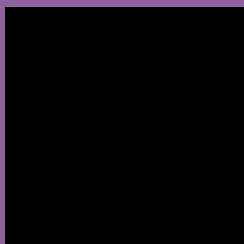
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.2214, 17.3562, 34.9798

Background



This preview shows how black text looks on a background with the XYZ color 22.2214, 17.3562, 34.9798.



This preview shows how white text looks on a background with the XYZ color 22.2214, 17.3562,

34.9798.

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

22.2214, 17.3562, 34.9798

Protanopia

18.2978, 17.5163, 40.9447

Deuteranopia

17.8438, 17.4382, 33.8779



Tritanopia

18.9962, 17.3894, 18.8783

Trichromacy



Original Color

22.2214, 17.3562, 34.9798

Protanomaly

19.3831, 17.3047, 38.8778

Deuteranomaly

19.1622, 17.2935, 34.2263

Tritanomaly

20.0317, 17.3445, 24.1218

Monochromacy



Original Color

22.2214, 17.3562, 34.9798

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.9993, 17.8988, 25.0077

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2214, 17.3562, 34.9798 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(144, 99, 159)` looks like.

```
.text, #text, p{  
    color:rgb(144, 99, 159)  
}
```

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(144, 99, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 99, 159) }
```

Border

The CSS property to change the border of an element to XYZ 22.2214, 17.3562, 34.9798 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(144, 99, 159) }
```


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

```
.border{ border-color:rgb(144, 99, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 99, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 99, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 99, 159);  
box-shadow:4px 4px 4px 4px rgb(144, 99,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2214, 17.3562, 34.9798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 99, 159) }
```

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

```
.background{ background-color: rgb(144, 99,  
159) }
```

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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