

Converting Colors

XYZ(21.9720, 17.6517, 28.5012)

Have a look what the booklet for
XYZ(21.9720, 17.6517, 28.5012)
contains.

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Color

**XYZ(22.0821, 17.7105,
28.6402)**

Conversions

Conversions Part 1

Format	Color
Hex	956590
RGB	149, 101, 144
RGB Percent	58%, 40%, 56%
CMY	0.4157, 0.6039, 0.4353
CMYK	0.00, 0.32, 0.03, 0.42
HSL	306°, 19%, 49%
HSV	306°, 32%, 58%
XYZ	22.0821, 17.7105, 28.6402
YIQ	120.2540, 14.8050, 23.5490

Conversions

Conversions Part 2

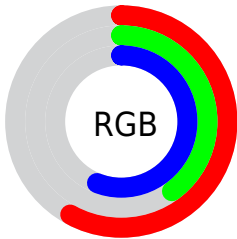
Format	Color
R _Y B	149, 101, 144
Decimal	9790864
CIE Lab	49.14, 26.59, -15.83
CIE LCh	49, 30.943, 329.232
Yxy	17.7105, 0.3227, 0.2588
Android (android.graphics.Color)	4287980944 (0xFF956590)
YUV	120.2540, 11.7068, 25.2102
Hunter-Lab	42.0838, 20.0152, -10.8912

Details

The XYZ color **22.0821, 17.7105, 28.6402** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **18.7165, 25.3027, 17.5340**, and the grayscale version is **17.8947, 18.8266, 20.5022**.

A 20% lighter version of the original color is **46.4861, 39.6971, 58.6383**, and **8.2232, 5.8957, 11.2943** is the 20% darker color. If you saturate the color by 10%, you get **20.6468, 15.0282, 27.5806**, and if you desaturate by 10%, it is **23.7824, 20.9196, 29.7965**.

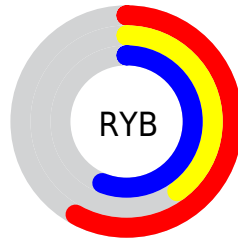
Distribution



Red (58%)

Green (40%)

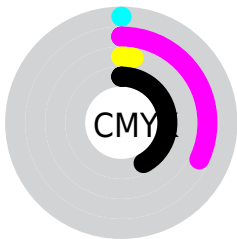
Blue (56%)



Red (58%)

Yellow (40%)

Blue (56%)

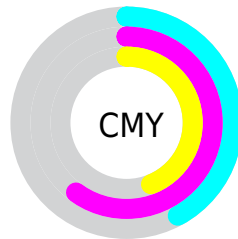


Cyan (0%)

Magenta (32%)

Yellow (3%)

Black (42%)



Cyan (42%)

Magenta (60%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0821, 17.7105, 28.6402 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 22.0821, 17.7105, 28.6402 by changing the saturation by 10% instead.

■ 22.0821, 17.7105,
28.6402

■ 22.0821, 17.7105,
28.6402

255.5990,
239.2342, 309.5212

■ 14.0342, 10.7423,
18.5656

■ 46.3595, 39.5434,
58.5403

■ 8.2263, 5.8939,
11.1832

■ 63.3197, 55.1769,
79.2028

■ 4.2931, 2.7806,
6.0745

■ 83.9813, 74.4677,
104.2318

■ 1.8693, 1.0183,
2.8209

■ 108.7098, 97.8001,
134.0456

■ 0.5589, 0.0000,
1.0039

137.8705,
125.5586, 169.0630

■ 0.0000, 0.0000,
0.0000

171.8286,

158.1275, 209.7023

210.9497,
195.8912, 256.3822

■ 22.0821, 17.7105,
28.6402

■ 22.0821, 17.7105,
28.6402

■ 20.6468, 15.0282,
27.5806

■ 23.7824, 20.9196,
29.7965

■ 19.4607, 12.8420,
26.6120

■ 25.7592, 24.6794,
31.0529

■ 18.5089, 11.1216,
25.7293

■ 28.0253, 29.0151,
32.4139

■ 17.7739, 9.8325,
24.9270

■ 30.5922, 33.9498,
33.8832

■ 17.2362, 8.9353,
24.1983

■ 33.4707, 39.5052,
35.4646

■ 16.8725, 8.3835,
23.5355

■ 36.6713, 45.7020,
37.1616

■ 16.6614, 8.0963,
23.0488

■ 40.2038, 52.5598,
38.9774

■ 44.0775, 60.0976,
40.9153

■ 48.3017, 68.3335,
42.9782

Harmonies

Analogous

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



19.6998, 17.7105, 36.8038



22.0821, 17.7105, 28.6402



23.0335, 17.7105, 19.4983

Triad

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



22.0821, 17.7105, 28.6402



16.9080, 17.7105, 7.3342



12.4290, 17.7105, 28.1609

Complementary

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



22.0821, 17.7105, 28.6402



18.7165, 25.3027, 17.5340

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.



11.8594, 17.7105, 19.0707



22.0821, 17.7105, 28.6402



14.2593, 17.7105, 8.4512

Square

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



22.0821, 17.7105, 28.6402



19.8437, 17.7105, 8.5752



12.4900, 17.7105, 12.2255



14.1439, 17.7105, 36.4758

Rectangle

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



22.0821, 17.7105, 28.6402



22.6535, 17.7105, 14.4960



12.4900, 17.7105, 12.2255



12.1066, 17.7105, 25.0243

Sweetspot

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



22.0827, 17.7113, 28.6406



46.9043, 45.6736, 56.0859



15.9994, 14.5301, 30.3954



10.2861, 9.9146, 12.3629



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



22.0827, 17.7113, 28.6406



37.5561, 27.9932, 49.8372



20.4510, 17.0586, 20.0485



6.0096, 5.8989, 7.1565



14.0291, 6.8167, 19.4321



0.1777, 0.0858, 0.2696

Inverse Universe

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



22.0827, 17.7113, 28.6406



37.5561, 27.9932, 49.8372



20.1307, 25.8684, 24.9815



6.0096, 5.8989, 7.1565



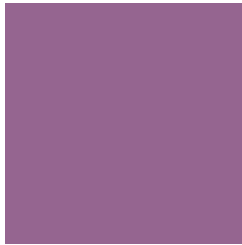
14.0291, 6.8167, 19.4321



0.1777, 0.0858, 0.2696

Previews

White Background



This preview shows how the XYZ color 22.0821, 17.7105, 28.6402 looks on a white background.

Color Contrast Check

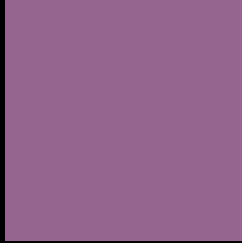
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0821, 17.7105, 28.6402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

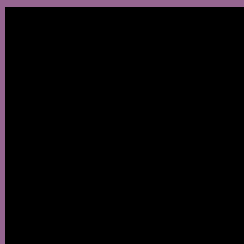
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.0821, 17.7105, 28.6402

Background



This preview shows how black text looks on a background with the XYZ color 22.0821, 17.7105, 28.6402.



This preview shows how white text looks on a background with the XYZ color 22.0821, 17.7105,

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

22.0821, 17.7105, 28.6402

Protanopia

18.1056, 17.9215, 33.5153

Deuteranopia

18.1409, 17.8976, 27.6977



Tritanopia

20.0293, 17.7729, 18.5945

Trichromacy



Original Color

22.0821, 17.7105, 28.6402

Protanomaly

19.2964, 17.7408, 31.6854

Deuteranomaly

19.3605, 17.6940, 27.9861

Tritanomaly

20.6715, 17.7205, 22.0696

Monochromacy



Original Color

22.0821, 17.7105, 28.6402

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

19.2276, 18.2205, 23.2724

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0821, 17.7105, 28.6402 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, 101, 144)` looks like.

```
.text, #text, p{  
    color:rgb(149, 101, 144)  
}
```

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, 101, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 101, 144) }
```

Border

The CSS property to change the border of an element to XYZ 22.0821, 17.7105, 28.6402 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, 101, 144) }
```


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

```
.border{ border-color:rgb(149, 101, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 101, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 101, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 101, 144);  
box-shadow:4px 4px 4px 4px rgb(149, 101,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0821, 17.7105, 28.6402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 101, 144) }
```

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

```
.background{ background-color: rgb(149,  
101, 144) }
```

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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