

Converting Colors

XYZ(22.7075, 16.5928, 35.5625)

Have a look what the booklet for
XYZ(22.7075, 16.5928, 35.5625)
contains.

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Color

**XYZ(22.8378, 16.7115,
35.7402)**

Conversions

Conversions Part 1

Format	Color
Hex	965CA1
RGB	150, 92, 161
RGB Percent	59%, 36%, 63%
CMY	0.4118, 0.6392, 0.3686
CMYK	0.07, 0.43, 0.00, 0.37
HSL	290°, 27%, 50%
HSV	290°, 43%, 63%
XYZ	22.8378, 16.7115, 35.7402
YIQ	117.2080, 12.4190, 33.7550

Conversions

Conversions Part 2

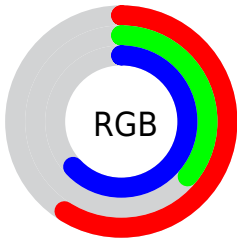
Format	Color
R _Y B	150, 92, 161
Decimal	9854113
CIE Lab	47.89, 35.44, -27.80
CIE LCh	48, 45.040, 321.886
Yxy	16.7115, 0.3033, 0.2220
Android (android.graphics.Color)	4288044193 (0xFF965CA1)
YUV	117.2080, 21.5895, 28.7586
Hunter-Lab	40.8797, 28.1811, -23.2201

Details

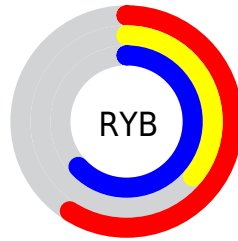
The XYZ color **22.8378, 16.7115, 35.7402** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.2707, 29.1464, 14.6834**, and the grayscale version is **16.9059, 17.7863, 19.3693**.

A 20% lighter version of the original color is **47.5448, 37.8835, 69.7721**, and **8.5540, 5.3733, 15.0543** is the 20% darker color. If you saturate the color by 10%, you get **21.1215, 13.9721, 35.3021**, and if you desaturate by 10%, it is **24.8620, 20.0505, 36.2783**.

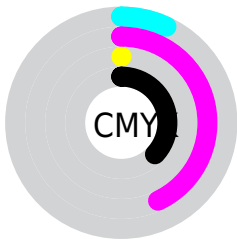
Distribution



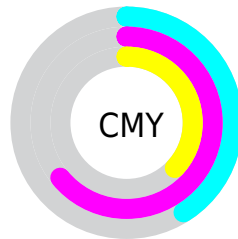
- Red (59%)
- Green (36%)
- Blue (63%)



- Red (59%)
- Yellow (36%)
- Blue (63%)



- Cyan (7%)
- Magenta (43%)
- Yellow (0%)
- Black (37%)



- Cyan (41%)
- Magenta (64%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8378, 16.7115, 35.7402 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 22.8378, 16.7115, 35.7402 by changing the saturation by 10% instead.

■ 22.8378, 16.7115,
35.7402

■ 22.8378, 16.7115,
35.7402

259.4417,
233.5043, 342.8266

■ 14.5938, 10.0290,
23.9455

■ 47.5955, 37.8291,
69.7954

■ 8.6193, 5.4182,
15.0814

■ 64.8399, 53.0330,
92.8930

■ 4.5488, 2.4947,
8.7293

■ 85.8152, 71.8461,
120.5953

■ 2.0171, 0.8740,
4.4706

■ 110.8866, 94.6529,
153.3209

■ 0.6435, 0.0000,
1.8869

140.4197,
121.8377, 191.4883

■ 0.0000, 0.0000,
0.4844

174.7796,

■ 0.0000, 0.0000,

153.7849, 235.5160

0.0000

214.3319,
190.8790, 285.8226

■ 22.8378, 16.7115,
35.7402

■ 22.8378, 16.7115,
35.7402

■ 21.1215, 13.9721,
35.3021

■ 24.8620, 20.0505,
36.2783

■ 19.6924, 11.7921,
34.9567

■ 27.2096, 24.0214,
36.9210

■ 18.5298, 10.1300,
34.6972

■ 29.8974, 28.6570,
37.6741

■ 17.6095, 8.9374,
34.5155

■ 32.9402, 33.9870,
38.5425

■ 16.9026, 8.1568,
34.4021

■ 36.3520, 40.0394,
39.5309

■ 16.4786, 7.7519,
34.3462

■ 40.1461, 46.8405,
40.6437

■ 44.3352, 54.4155,
41.8850

■ 48.9311, 62.7883,
43.2589

■ 53.9454, 71.9817,
44.7691

Harmonies

Analogous

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



18.9693, 16.7115, 47.7561



22.8378, 16.7115, 35.7402



24.9151, 16.7115, 21.5314

Triad

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



22.8378, 16.7115, 35.7402



17.0093, 16.7115, 3.8376



9.6944, 16.7115, 27.8475

Complementary

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



22.8378, 16.7115, 35.7402



20.2707, 29.1464, 14.6834

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.



9.3506, 16.7115, 15.2241



22.8378, 16.7115, 35.7402



13.1524, 16.7115, 4.3496

Square

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



22.8378, 16.7115, 35.7402



21.1957, 16.7115, 5.6793



10.5076, 16.7115, 7.6044



11.5430, 16.7115, 42.0096

Rectangle

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



22.8378, 16.7115, 35.7402



24.7950, 16.7115, 13.9755



10.5076, 16.7115, 7.6044



9.4133, 16.7115, 23.1906

Sweetspot

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



22.8384, 16.7122, 35.7406



53.3444, 50.9763, 67.4144



15.7475, 14.6495, 35.7162



11.4681, 10.7789, 14.7198



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.



22.8384, 16.7122, 35.7406



38.0810, 25.4211, 63.2862



23.1130, 17.0670, 26.1214



7.2529, 7.1448, 8.8999



13.1892, 6.2057, 27.4325



0.3050, 0.1448, 0.5777

Inverse Universe

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



20.9738, 16.2113, 14.8564



34.4769, 24.5061, 20.5109



20.2536, 29.0033, 20.7511



7.1177, 7.1035, 7.6062



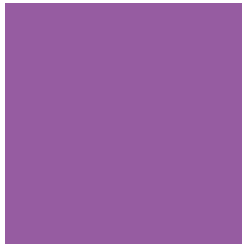
11.8952, 6.1141, 1.3729



0.2622, 0.1334, 0.0936

Previews

White Background



This preview shows how the XYZ color 22.8378, 16.7115, 35.7402 looks on a white background.

Color Contrast Check

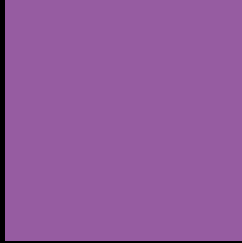
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8378, 16.7115, 35.7402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

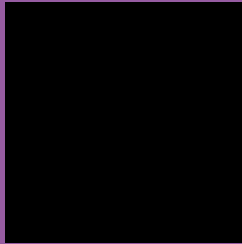
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.8378, 16.7115, 35.7402

Background



This preview shows how black text looks on a background with the XYZ color 22.8378, 16.7115, 35.7402.



This preview shows how white text looks on a background with the XYZ color 22.8378, 16.7115,

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

22.8378, 16.7115, 35.7402

Protanopia

17.9464, 16.9363, 43.9181

Deuteranopia

17.2465, 16.9539, 34.2617



Tritanopia

19.0472, 16.6878, 17.2561

Trichromacy



Original Color

22.8378, 16.7115, 35.7402

Protanomaly

19.0844, 16.4882, 40.7048

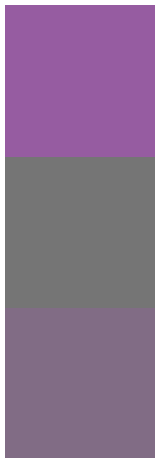
Deuteranomaly

18.6943, 16.4233, 34.5325

Tritanomaly

20.2783, 16.6197, 22.9080

Monochromacy



Original Color

22.8378, 16.7115, 35.7402

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

18.6495, 17.0857, 24.5052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8378, 16.7115, 35.7402 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(150, 92, 161)` looks like.

```
.text, #text, p{  
    color:rgb(150, 92, 161)  
}
```

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(150, 92, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 92, 161) }
```

Border

The CSS property to change the border of an element to XYZ 22.8378, 16.7115, 35.7402 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(150, 92, 161) }
```


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

```
.border{ border-color:rgb(150, 92, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 92, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 92, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 92, 161);  
box-shadow:4px 4px 4px 4px rgb(150, 92,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8378, 16.7115, 35.7402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 92, 161) }
```

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

```
.background{ background-color: rgb(150, 92,  
161) }
```

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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