

# Converting Colors

XYZ(22.1398, 18.6966, 25.9549)

Have a look what the booklet for  
XYZ(22.1398, 18.6966, 25.9549)  
contains.

<b>XYZ(22.1675, 18.7111, 26.1102)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(22.1675, 18.7111,  
26.1102)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	956B89
RGB	149, 107, 137
RGB Percent	58%, 42%, 54%
CMY	0.4157, 0.5804, 0.4627
CMYK	0.00, 0.28, 0.08, 0.42
HSL	317°, 17%, 50%
HSV	317°, 28%, 58%
XYZ	22.1675, 18.7111, 26.1102
YIQ	122.9780, 15.4020, 18.2340

# Conversions

## Conversions Part 2

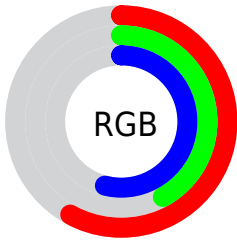
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	149, 107, 137
Decimal	9792393
CIE <sub>Lab</sub>	50.35, 21.79, -9.86
CIE <sub>LCh</sub>	50, 23.920, 335.649
Yxy	18.7111, 0.3309, 0.2793
Android (android.graphics.Color)	4287982473 (0xFF956B89)
YUV	122.9780, 6.9128, 22.8213
Hunter-Lab	43.2563, 15.7770, -5.5089

# Details

The XYZ color **22.1675, 18.7111, 26.1102** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.1414, 25.9532, 21.4018**, and the grayscale version is **18.7943, 19.7731, 21.5329**.

A 20% lighter version of the original color is **46.5942, 41.3513, 54.2410**, and **8.3213, 6.4127, 9.8160** is the 20% darker color. If you saturate the color by 10%, you get **20.4466, 15.7482, 24.0595**, and if you desaturate by 10%, it is **24.1693, 22.2158, 28.3144**.

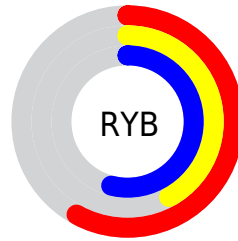
# Distribution



Red (58%)

Green (42%)

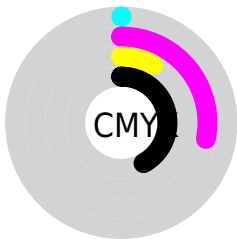
Blue (54%)



Red (58%)

Yellow (42%)

Blue (54%)

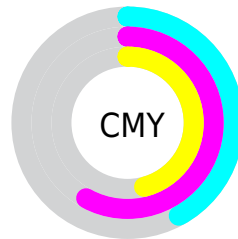


Cyan (0%)

Magenta (28%)

Yellow (8%)

Black (42%)



Cyan (42%)

Magenta (58%)

Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1675, 18.7111, 26.1102 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 22.1675, 18.7111, 26.1102 by changing the saturation by 10% instead.



■ 22.1675, 18.7111,  
26.1102

■ 22.1675, 18.7111,  
26.1102

256.0357,  
244.8492, 296.9453

■ 14.0973, 11.4617,  
16.6796

■ 46.4995, 41.2454,  
54.4389

■ 8.2705, 6.3783,  
9.8468

■ 63.4920, 57.2990,  
74.1742

■ 4.3218, 3.0764,  
5.1932

■ 84.1893, 77.0562,  
98.1813

■ 1.8858, 1.1718,  
2.3004

■ 108.9568,  
100.9013, 126.8790

■ 0.5685, 0.0385,  
0.7314

138.1599,  
129.2188, 160.6857

■ 0.0000, 0.0000,  
0.0000

172.1638,

162.3930, 200.0199

211.3339,  
200.8084, 245.3003

■ 22.1675, 18.7111,  
26.1102

■ 22.1675, 18.7111,  
26.1102

■ 20.4466, 15.7482,  
24.0595

■ 24.1693, 22.2158,  
28.3144

■ 18.9911, 13.2972,  
22.1558

■ 26.4631, 26.2855,  
30.6759

■ 17.7863, 11.3290,  
20.3939

■ 29.0616, 30.9448,  
33.1997

■ 16.8157, 9.8104,  
18.7674

■ 31.9761, 36.2163,  
35.8903

■ 16.0605, 8.7043,  
17.2694

■ 35.2175, 42.1213,  
38.7520

■ 15.4989, 7.9673,  
15.8919

■ 38.7960, 48.6801,  
41.7887

■ 15.0882, 7.5140,  
14.6199

■ 42.7213, 55.9122,  
45.0043

■ 15.0183, 7.4391,  
14.3965

■ 47.0030, 63.8361,  
48.4026

■ 51.6499, 72.4697,  
51.9872

# Harmonies

## Analogous

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



20.5140, 18.7111, 32.6230



22.1675, 18.7111, 26.1102



22.6050, 18.7111, 19.1409

# Triad

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



22.1675, 18.7111, 26.1102



17.3487, 18.7111, 10.1179



14.3990, 18.7111, 28.7664

# Complementary

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



22.1675, 18.7111, 26.1102



20.1414, 25.9532, 21.4018

# 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.



13.7029, 18.7111, 21.6573



22.1675, 18.7111, 26.1102



15.3082, 18.7111, 11.6526

# Square

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



22.1675, 18.7111, 26.1102



19.6885, 18.7111, 10.8071



14.0208, 18.7111, 15.5449



16.0071, 18.7111, 34.3754



# Rectangle

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



22.1675, 18.7111, 26.1102



22.1180, 18.7111, 15.3268



14.0208, 18.7111, 15.5449



14.0573, 18.7111, 26.4211

# Sweetspot

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



22.1681, 18.7119, 26.1106



47.4017, 47.0918, 54.9462



18.2774, 16.6011, 30.6751



10.3706, 10.1969, 12.0422



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.



22.1681, 18.7119, 26.1106



37.6392, 29.9513, 44.3406



20.8110, 18.1691, 18.9645



5.9654, 5.8812, 6.9238



12.6530, 6.2663, 12.1858



0.1676, 0.0818, 0.2162



# Inverse Universe

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



22.1681, 18.7119, 26.1106



37.6392, 29.9513, 44.3406



21.5378, 26.5117, 28.7550



5.9654, 5.8812, 6.9238



12.6530, 6.2663, 12.1858

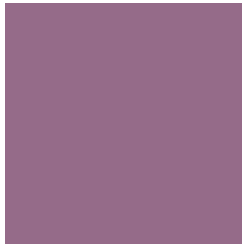


0.1676, 0.0818, 0.2162



# Previews

## White Background



This preview shows how the XYZ color 22.1675, 18.7111, 26.1102 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

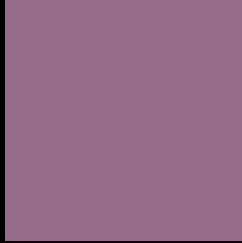
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 22.1675, 18.7111, 26.1102 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 22.1675, 18.7111, 26.1102**

## **Background**



This preview shows how black text looks on a background with the XYZ color 22.1675, 18.7111, 26.1102.



This preview shows how white text looks on a background with the XYZ color 22.1675, 18.7111,



# 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

22.1675, 18.7111, 26.1102

### Protanopia

18.6471, 18.8154, 29.4370

### Deuteranopia

19.1919, 18.8318, 25.5451



## Tritanopia

20.9383, 18.6868, 19.9561

# Trichromacy



## Original Color

22.1675, 18.7111, 26.1102

## Protanomaly

19.7656, 18.7265, 28.1640

## Deuteranomaly

20.1806, 18.6562, 25.8299

## Tritanomaly

21.4473, 18.7395, 22.2254

# Monochromacy



## Original Color

22.1675, 18.7111, 26.1102

## Achromatopsia

18.8265, 19.8069, 21.5697

## Achromatomaly

19.7733, 19.1866, 23.0833

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 22.1675, 18.7111, 26.1102 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, 107, 137)` looks like.

```
.text, #text, p{  
    color:rgb(149, 107, 137)  
}
```

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, 107, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 107, 137) }
```

## Border

The CSS property to change the border of an element to XYZ 22.1675, 18.7111, 26.1102 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, 107, 137) }
```



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

```
.border{ border-color:rgb(149, 107, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 107, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 107, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 107, 137);  
box-shadow:4px 4px 4px 4px rgb(149, 107,  
137) }
```

# Background

The CSS property to change the background color of an element to XYZ 22.1675, 18.7111, 26.1102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 107, 137) }
```

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

```
.background{ background-color: rgb(149,  
107, 137) }
```

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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