

# Converting Colors

XYZ(25.1659, 19.4183, 22.1759)

Have a look what the booklet for  
XYZ(25.1659, 19.4183, 22.1759)  
contains.

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# Color

**XYZ(25.2142, 19.4716,  
22.1681)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AB657E
RGB	171, 101, 126
RGB Percent	67%, 40%, 49%
CMY	0.3294, 0.6039, 0.5059
CMYK	0.00, 0.41, 0.26, 0.33
HSL	339°, 29%, 53%
HSV	339°, 41%, 67%
XYZ	25.2142, 19.4716, 22.1681
YIQ	124.7800, 33.6950, 22.6150

# Conversions

## Conversions Part 2

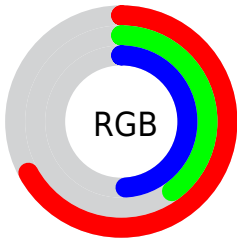
<b>Format</b>	<b>Color</b>
<b>RYB</b>	171, 101, 126
Decimal	11232638
CIELab	51.23, 31.47, -1.74
CIELCh	51, 31.516, 356.842
Yxy	19.4716, 0.3772, 0.2913
Android (android.graphics.Color)	4289422718 (0xFFAB657E)
YUV	124.7800, 0.6015, 40.5349
Hunter-Lab	44.1266, 24.7743, 1.1029

# Details

The XYZ color **25.2142, 19.4716, 22.1681** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **25.1190, 33.9685, 32.4285**, and the grayscale version is **19.4096, 20.4204, 22.2378**.

A 20% lighter version of the original color is **51.5228, 42.5311, 48.1416**, and **9.9037, 6.7737, 7.8067** is the 20% darker color. If you saturate the color by 10%, you get **23.0525, 16.2217, 18.1379**, and if you desaturate by 10%, it is **27.8004, 23.4454, 26.7249**.

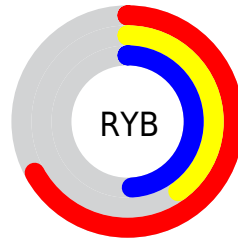
# Distribution



Red (67%)

Green (40%)

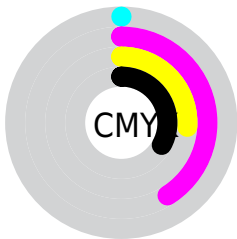
Blue (49%)



Red (67%)

Yellow (40%)

Blue (49%)

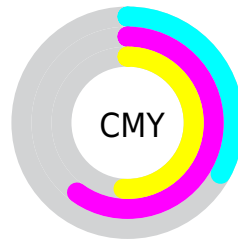


Cyan (0%)

Magenta (41%)

Yellow (26%)

Black (33%)



Cyan (33%)

Magenta (60%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.2142, 19.4716, 22.1681 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 25.2142, 19.4716, 22.1681 by changing the saturation by 10% instead.





 25.2142, 19.4716,  
22.1681


 25.2142, 19.4716,  
22.1681


271.2310,  
249.0400, 276.4050


 16.3663, 12.0115,  
13.7810


 51.4449, 42.5295,  
47.9294


 9.8762, 6.7515,  
7.8315


 69.5584, 58.8961,  
66.1407

 5.3786, 3.3072,  
3.9011

 91.4912, 79.0004,  
88.4638

 2.5081, 1.2941,  
1.5712

 117.6085,  
103.2266, 115.3172

 0.8993, 0.1367,  
0.2702

148.2758,  
131.9594, 147.1195

 0.0000, 0.0000,  
0.0000

183.8584,

165.5829, 184.2892

224.7217,  
204.4817, 227.2448

■ 25.2142, 19.4716,  
22.1681

■ 25.2142, 19.4716,  
22.1681

■ 23.0525, 16.2217,  
18.1379

■ 27.8004, 23.4454,  
26.7249

■ 21.2896, 13.6488,  
14.6127

■ 30.8315, 28.1807,  
31.8262

■ 19.8994, 11.7046,  
11.5710


■ 34.3288, 33.7159,  
37.4907


■ 18.8517, 10.3335,  
8.9890

■ 38.3113, 40.0860,  
43.7357


■ 18.1112, 9.4694,  
6.8401


■ 42.7973, 47.3236,  
50.5775

 17.6388, 8.9956,  
5.2309

 47.8039, 55.4600,  
58.0320

 53.3474, 64.5247,  
66.1145

 59.4434, 74.5458,  
74.8395

 66.1070, 85.5503,  
84.2211

# Harmonies

## Analogous

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



24.0361, 19.4716, 32.1351



25.2142, 19.4716, 22.1681



24.4341, 19.4716, 14.3125

# Triad

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



25.2142, 19.4716, 22.1681



15.9125, 19.4716, 9.2125



15.3973, 19.4716, 39.2225

# Complementary

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



25.2142, 19.4716, 22.1681



25.1190, 33.9685, 32.4285

# 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.



13.6257, 19.4716, 30.0070



25.2142, 19.4716, 22.1681



13.8987, 19.4716, 13.0801

# Square

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



25.2142, 19.4716, 22.1681



18.8418, 19.4716, 8.1983



13.1094, 19.4716, 20.2630



18.1766, 19.4716, 43.5781



# Rectangle

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



25.2142, 19.4716, 22.1681



22.9520, 19.4716, 10.9234



13.1094, 19.4716, 20.2630



14.6768, 19.4716, 36.4824

# Sweetspot

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



25.2147, 19.4725, 22.1685



60.6320, 59.0334, 65.7890



23.7411, 18.2987, 40.8091



13.3388, 12.8750, 14.3789



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123



# Same Dimension

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



25.2147, 19.4725, 22.1685



41.6639, 29.6140, 33.2103



24.7563, 20.8224, 15.0273



8.1190, 8.0608, 8.9374



13.3201, 6.7906, 4.0652



0.3971, 0.1995, 0.2529



# Inverse Universe

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



25.2147, 19.4725, 22.1685



41.6639, 29.6140, 33.2103



25.5799, 31.4310, 43.2470



8.1190, 8.0608, 8.9374



13.3201, 6.7906, 4.0652

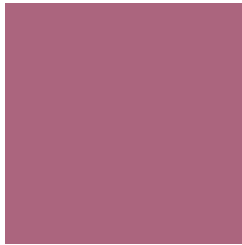


0.3971, 0.1995, 0.2529



# Previews

## White Background



This preview shows how the XYZ color 25.2142, 19.4716, 22.1681 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 25.2142, 19.4716, 22.1681 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

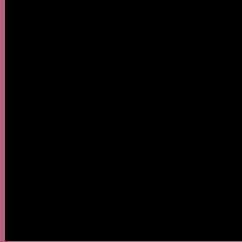
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# XYZ 25.2142, 19.4716, 22.1681

## Background



This preview shows how black text looks on a background with the XYZ color 25.2142, 19.4716, 22.1681.



This preview shows how white text looks on a background with the XYZ color 25.2142, 19.4716,



# 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

25.2142, 19.4716, 22.1681

### Protanopia

19.3655, 19.7762, 27.2226

### Deuteranopia

20.0035, 19.6920, 21.4855



## Tritanopia

24.3971, 19.5944, 17.5351

# Trichromacy



## Original Color

25.2142, 19.4716, 22.1681

## Protanomaly

20.9679, 19.2448, 25.1638

## Deuteranomaly

21.4649, 19.2466, 21.6524

## Tritanomaly

24.5802, 19.5075, 18.9928

# Monochromacy



## Original Color

25.2142, 19.4716, 22.1681

## Achromatopsia

19.4927, 20.5079, 22.3331

## Achromatomaly

21.1024, 19.7222, 22.0966

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.2142, 19.4716, 22.1681 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(171, 101, 126)` looks like.

```
.text, #text, p{  
    color:rgb(171, 101, 126)  
}
```

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(171, 101, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 101, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 25.2142, 19.4716, 22.1681 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(171, 101, 126) }
```



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

```
.border{ border-color:rgb(171, 101, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 101, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 101, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 101, 126);  
box-shadow:4px 4px 4px 4px rgb(171, 101,  
126) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.2142, 19.4716, 22.1681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 101, 126) }
```

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

```
.background{ background-color: rgb(171,  
101, 126) }
```

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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