

# Converting Colors

XYZ(27.1766, 27.1101, 21.5697)

Have a look what the booklet for  
XYZ(27.1766, 27.1101, 21.5697)  
contains.

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# Color

**XYZ(27.1766, 27.1101,  
21.5697)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A18A78
RGB	161, 138, 120
RGB Percent	63%, 54%, 47%
CMY	0.3686, 0.4588, 0.5294
CMYK	0.00, 0.14, 0.25, 0.37
HSL	26°, 18%, 55%
HSV	26°, 25%, 63%
XYZ	27.1766, 27.1101, 21.5697
YIQ	142.8250, 19.4860, -0.7220

# Conversions

## Conversions Part 2

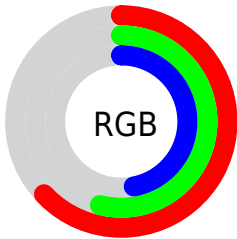
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	161, 152, 120
Decimal	10586744
CIE <sub>Lab</sub>	59.08, 5.80, 12.85
CIE <sub>LCh</sub>	59, 14.099, 65.730
Yxy	27.1101, 0.3583, 0.3574
Android (android.graphics.Color)	4288776824 (0xFFA18A78)
YUV	142.8250, -11.2527, 15.9395
Hunter-Lab	52.0674, 2.0503, 11.8854

# Details

The XYZ color **27.1766, 27.1101, 21.5697** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.0010, 26.2105, 37.5125**, and the grayscale version is **26.0772, 27.4353, 29.8770**.

A 20% lighter version of the original color is **54.3961, 54.8391, 46.7477**, and **10.9337, 10.6856, 7.4475** is the 20% darker color. If you saturate the color by 10%, you get **25.0385, 24.2682, 16.4349**, and if you desaturate by 10%, it is **29.5882, 30.2357, 27.6069**.

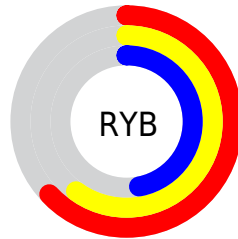
# Distribution



Red (63%)

Green (54%)

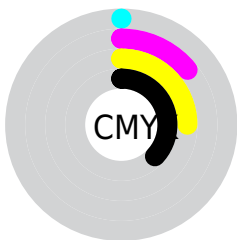
Blue (47%)



Red (63%)

Yellow (60%)

Blue (47%)

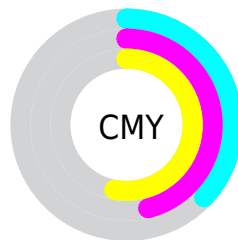


Cyan (0%)

Magenta (14%)

Yellow (25%)

Black (37%)



Cyan (37%)

Magenta (46%)

Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1766, 27.1101, 21.5697 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 27.1766, 27.1101, 21.5697 by changing the saturation by 10% instead.



■ 27.1766, 27.1101,  
21.5697

■ 27.1766, 27.1101,  
21.5697

280.6632,  
288.1898, 273.1706

■ 17.8432, 17.6559,  
13.3458

■ 54.5850, 55.0605,  
46.9268

■ 10.9365, 10.7032,  
7.5336

■ 73.3907, 74.3255,  
64.8971

■ 6.0911, 5.8677,  
3.7145

■ 96.0845, 97.6296,  
86.9532

■ 2.9417, 2.7648,  
1.4701

123.0319,  
125.3571, 113.5137

■ 1.1230, 1.0102,  
0.1955

154.5980,  
157.8925, 144.9972

■ 0.0443, 0.0000,  
0.0000

191.1484,

■ 0.0000, 0.0000,

195.6202, 181.8221

0.0000

233.0483,  
238.9245, 224.4071

■ 27.1766, 27.1101,  
21.5697

■ 27.1766, 27.1101,  
21.5697

■ 25.0385, 24.2682,  
16.4349

■ 29.5882, 30.2357,  
27.6069

■ 23.1609, 21.6977,  
12.1567

■ 32.2814, 33.6494,  
34.5858

■ 21.5329, 19.3910,  
8.6878

■ 35.2663, 37.3602,  
42.5456

■ 20.1419, 17.3384,  
5.9755

■ 38.5522, 41.3754,  
51.5226

■ 18.9740, 15.5297,  
3.9608

■ 42.1478, 45.7022,  
61.5512

■ 18.0132, 13.9536,  
2.5757

■ 46.0612, 50.3474,  
72.6644

■ 17.2400, 12.5970,  
1.7325

■ 50.3006, 55.3178,  
84.8936

■ 16.9320, 12.0450,  
1.4325

■ 54.8737, 60.6197,  
98.2688

■ 58.1521, 65.6053,  
104.2059

# Harmonies

## Analogous

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



28.5991, 27.1101, 24.2365



27.1766, 27.1101, 21.5697



25.4326, 27.1101, 20.9238

# Triad

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



27.1766, 27.1101, 21.5697



22.5595, 27.1101, 30.4917



27.7845, 27.1101, 38.0608

# Complementary

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



27.1766, 27.1101, 21.5697



24.0010, 26.2105, 37.5125

# 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.



26.1050, 27.1101, 40.1930



27.1766, 27.1101, 21.5697



23.1289, 27.1101, 35.5166

# Square

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



27.1766, 27.1101, 21.5697



22.8175, 27.1101, 25.7285



24.4077, 27.1101, 39.2130



28.9611, 27.1101, 33.6630



# Rectangle

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



27.1766, 27.1101, 21.5697



24.3328, 27.1101, 21.6540



24.4077, 27.1101, 39.2130



27.2572, 27.1101, 39.0876

# Sweetspot

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



27.1773, 27.1113, 21.5703



56.4674, 58.5699, 58.4145



26.3903, 23.0006, 29.1283



12.2298, 12.6502, 12.4092



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.



27.1773, 27.1113, 21.5703



46.2724, 45.3805, 32.8180



30.3607, 33.4781, 22.6314



7.3177, 7.5738, 7.4563



13.5623, 9.6986, 1.1572



0.3317, 0.2973, 0.0399



# Inverse Universe

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



24.0010, 26.2105, 37.5125



39.5215, 43.4631, 66.6927



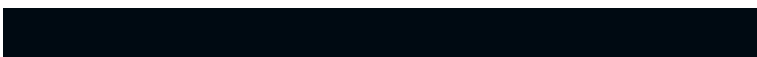
21.2290, 20.6665, 36.5885



7.0145, 7.4880, 8.9787



8.1195, 8.0185, 28.0496



0.2166, 0.2605, 0.6047



# Previews

## White Background



This preview shows how the XYZ color 27.1766, 27.1101, 21.5697 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 27.1766, 27.1101, 21.5697 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 27.1766, 27.1101, 21.5697**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.1766, 27.1101, 21.5697.



This preview shows how white text looks on a background with the XYZ color 27.1766, 27.1101,



# 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

27.1766, 27.1101, 21.5697

### Protanopia

25.7635, 27.2352, 22.3114

### Deuteranopia

27.6457, 27.1399, 21.5507



## Tritanopia

28.9458, 26.9870, 30.4715

# Trichromacy



## Original Color

27.1766, 27.1101, 21.5697

## Protanomaly

26.3025, 27.3003, 21.9723

## Deuteranomaly

27.4401, 27.0339, 21.5411

## Tritanomaly

28.2122, 26.8920, 26.9963

# Monochromacy



## Original Color

27.1766, 27.1101, 21.5697

## Achromatopsia

26.1081, 27.4677, 29.9124

## Achromatomaly

26.4757, 27.2831, 26.7924

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.1766, 27.1101, 21.5697 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(161, 138, 120)` looks like.

```
.text, #text, p{  
    color:rgb(161, 138, 120)  
}
```

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(161, 138, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 138, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 27.1766, 27.1101, 21.5697 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(161, 138, 120) }
```



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

```
.border{ border-color:rgb(161, 138, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 138, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 138, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 138, 120);  
box-shadow:4px 4px 4px 4px rgb(161, 138,  
120) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.1766, 27.1101, 21.5697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 138, 120) }
```

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

```
.background{ background-color: rgb(161,  
138, 120) }
```

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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