

# Converting Colors

XYZ(27.0654, 20.9499, 22.3215)

Have a look what the booklet for  
XYZ(27.0654, 20.9499, 22.3215)  
contains.

<b>XYZ(27.1776, 21.0745, 22.3740)</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(27.1776, 21.0745,  
22.3740)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B2697E
RGB	178, 105, 126
RGB Percent	70%, 41%, 49%
CMY	0.3020, 0.5882, 0.5059
CMYK	0.00, 0.41, 0.29, 0.30
HSL	343°, 32%, 55%
HSV	343°, 41%, 70%
XYZ	27.1776, 21.0745, 22.3740
YIQ	129.2210, 36.7670, 22.0070

# Conversions

## Conversions Part 2

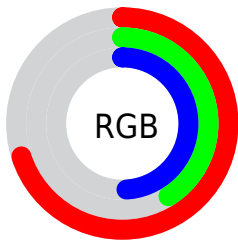
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	178, 105, 126
Decimal	11692414
CIE <sub>Lab</sub>	53.03, 31.86, 1.00
CIE <sub>LCh</sub>	53, 31.872, 1.795
Yxy	21.0745, 0.3848, 0.2984
Android (android.graphics.Color)	4289882494 (0xFFB2697E)
YUV	129.2210, -1.5880, 42.7792
Hunter-Lab	45.9070, 25.3374, 3.2383

# Details

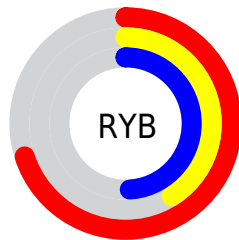
The XYZ color **27.1776, 21.0745, 22.3740** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **27.8329, 37.2790, 37.6289**, and the grayscale version is **20.9406, 22.0312, 23.9919**.

A 20% lighter version of the original color is **54.4546, 45.0308, 48.4696**, and **10.9221, 7.5751, 7.9077** is the 20% darker color. If you saturate the color by 10%, you get **24.7837, 17.5141, 17.7919**, and if you desaturate by 10%, it is **30.0559, 25.4373, 27.6298**.

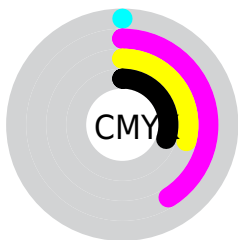
# Distribution



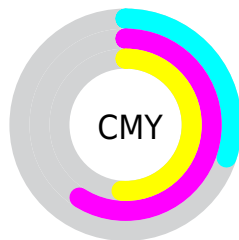
- Red (70%)
- Green (41%)
- Blue (49%)



- Red (70%)
- Yellow (41%)
- Blue (49%)



- Cyan (0%)
- Magenta (41%)
- Yellow (29%)
- Black (30%)




- Cyan (30%)
- Magenta (59%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1776, 21.0745, 22.3740 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 27.1776, 21.0745, 22.3740 by changing the saturation by 10% instead.





 27.1776, 21.0745,  
22.3740


 27.1776, 21.0745,  
22.3740


280.6679,  
257.6742, 277.5102


 17.8439, 13.1785,  
13.9310


 54.5866, 45.2115,  
48.2735


 10.9370, 7.5516,  
7.9345


 73.3926, 62.2212,  
66.5670

 6.0915, 3.8094,  
3.9659


 96.0869, 83.0377,  
88.9812

 2.9420, 1.5675,  
1.6067

 123.0346,  
108.0452, 115.9345

 1.1231, 0.3355,  
0.2956

154.6012,  
137.6282, 147.8455

 0.0444, 0.0000,  
0.0000

191.1521,

 0.0000, 0.0000,

172.1711, 185.1328

0.0000

233.0525,  
212.0583, 228.2148

■ 27.1776, 21.0745,  
22.3740

■ 27.1776, 21.0745,  
22.3740

■ 24.7837, 17.5141,  
17.7919

■ 30.0559, 25.4373,  
27.6298

■ 22.8447, 14.7038,  
13.8538

■ 33.4422, 30.6446,  
33.5845

■ 21.3304, 12.5898,  
10.5297


■ 37.3608, 36.7389,  
40.2637


■ 20.2062, 11.1098,  
7.7864


■ 41.8338, 43.7593,  
47.6910


■ 19.4316, 10.1902,  
5.5869


■ 46.8820, 51.7424,  
55.8893

 18.9621, 9.7058,  
4.0290

 52.5253, 60.7227,  
64.8801

 58.7824, 70.7331,  
74.6844

 65.6712, 81.8051,  
85.3221

 69.8665, 87.2836,  
95.6984

# Harmonies

## Analogous

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



26.2554, 21.0745, 32.8083



27.1776, 21.0745, 22.3740



26.0147, 21.0745, 14.5398

# Triad

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



27.1776, 21.0745, 22.3740



16.8271, 21.0745, 10.5741



17.1399, 21.0745, 43.3272

# Complementary

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



27.1776, 21.0745, 22.3740



27.8329, 37.2790, 37.6289

# 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.



15.0428, 21.0745, 34.0940



27.1776, 21.0745, 22.3740



14.8769, 21.0745, 15.2901

# Square

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



27.1776, 21.0745, 22.3740



19.8298, 21.0745, 9.0129



14.2613, 21.0745, 23.5288



20.2330, 21.0745, 46.7433



# Rectangle

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



27.1776, 21.0745, 22.3740



24.2812, 21.0745, 11.2952



14.2613, 21.0745, 23.5288



16.3076, 21.0745, 40.6942

# Sweetspot

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



27.1782, 21.0755, 22.3744



66.8469, 65.2112, 71.4924



26.8180, 20.3966, 44.6432



14.5992, 14.1187, 15.4830



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



27.1782, 21.0755, 22.3744



45.4042, 32.4386, 33.1679



27.5792, 23.8229, 16.5106



8.5935, 8.5441, 9.3580



13.5916, 6.9542, 3.0096



0.4535, 0.2292, 0.2309



# Inverse Universe

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



27.1782, 21.0755, 22.3744



45.4042, 32.4386, 33.1679



27.0307, 32.5550, 46.9788



8.5935, 8.5441, 9.3580



13.5916, 6.9542, 3.0096

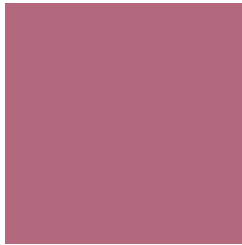


0.4535, 0.2292, 0.2309



# Previews

## White Background



This preview shows how the XYZ color 27.1776, 21.0745, 22.3740 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

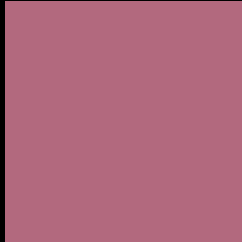
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 27.1776, 21.0745, 22.3740 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

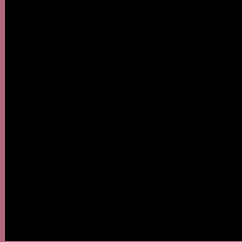
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 27.1776, 21.0745, 22.3740**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.1776, 21.0745, 22.3740.



This preview shows how white text looks on a background with the XYZ color 27.1776, 21.0745,



# 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

27.1776, 21.0745, 22.3740

### Protanopia

20.7252, 21.2214, 27.4299

### Deuteranopia

21.6426, 21.2587, 21.7015



## Tritanopia

26.4837, 21.1003, 18.8966

# Trichromacy



## Original Color

27.1776, 21.0745, 22.3740

## Protanomaly

22.4586, 20.6978, 25.3656

## Deuteranomaly

23.2099, 20.8160, 21.8634

## Tritanomaly

26.6153, 20.9871, 20.1009

# Monochromacy



## Original Color

27.1776, 21.0745, 22.3740

## Achromatopsia

20.8660, 21.9526, 23.9064

## Achromatomaly

22.6454, 21.1945, 23.3195

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.1776, 21.0745, 22.3740 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(178, 105, 126)` looks like.

```
.text, #text, p{  
    color:rgb(178, 105, 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(178, 105, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 105, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 27.1776, 21.0745, 22.3740 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(178, 105, 126) }
```



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

```
.border{ border-color:rgb(178, 105, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 105, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 105, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 105, 126);  
box-shadow:4px 4px 4px 4px rgb(178, 105,  
126) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.1776, 21.0745, 22.3740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 105, 126) }
```

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

```
.background{ background-color: rgb(178,  
105, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor