

# Converting Colors

XYZ(27.9054, 27.2579, 40.4094)

Have a look what the booklet for  
XYZ(27.9054, 27.2579, 40.4094)  
contains.

<b>XYZ(27.8847, 27.2750, 40.3541)</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(27.8847, 27.2750,  
40.3541)**

# Conversions

## Conversions Part 1

Format	Color
Hex	918BA7
RGB	145, 139, 167
RGB Percent	57%, 55%, 65%
CMY	0.4314, 0.4549, 0.3451
CMYK	0.13, 0.17, 0.00, 0.35
HSL	253°, 14%, 60%
HSV	253°, 17%, 65%
XYZ	27.8847, 27.2750, 40.3541
YIQ	143.9860, -5.4120, 9.9800

# Conversions

## Conversions Part 2

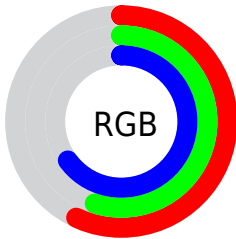
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	145, 139, 167
Decimal	9538471
CIE Lab	59.23, 7.98, -13.96
CIE LCh	59, 16.076, 299.748
Yxy	27.2750, 0.2919, 0.2856
Android (android.graphics.Color)	4287728551 (0xFF918BA7)
YUV	143.9860, 11.3459, 0.8893
Hunter-Lab	52.2255, 3.9118, -9.2550

# Details

The XYZ color **27.8847, 27.2750, 40.3541** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **33.1778, 37.0793, 29.8357**, and the grayscale version is **26.4616, 27.8397, 30.3174**.

A 20% lighter version of the original color is **55.5876, 55.1153, 76.8158**, and **11.2830, 10.7622, 17.7023** is the 20% darker color. If you saturate the color by 10%, you get **23.4688, 21.6795, 39.5072**, and if you desaturate by 10%, it is **32.9388, 33.7492, 41.3378**.

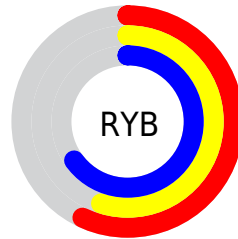
# Distribution



Red (57%)

Green (55%)

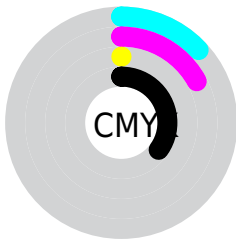
Blue (65%)



Red (57%)

Yellow (55%)

Blue (65%)

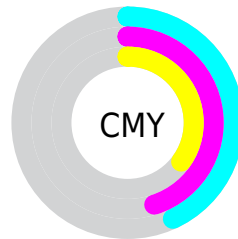


Cyan (13%)

Magenta (17%)

Yellow (0%)

Black (35%)



Cyan (43%)

Magenta (45%)

Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8847, 27.2750, 40.3541 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 27.8847, 27.2750, 40.3541 by changing the saturation by 10% instead.



■ 27.8847, 27.2750,  
40.3541

■ 27.8847, 27.2750,  
40.3541

284.0056,  
288.9862, 363.2102

■ 18.3788, 17.7799,  
27.4989

■ 55.7102, 55.3248,  
76.9454

■ 11.3236, 10.7921,  
17.7125

■ 74.7606, 74.6483,  
101.5185

■ 6.3538, 5.9272,  
10.5765

■ 97.7231, 98.0167,  
130.8347

■ 3.1041, 2.8009,  
5.6722

124.9631,  
125.8144, 165.3125

■ 1.2090, 1.0287,  
2.5813

156.8460,  
158.4258, 205.3704

■ 0.1135, 0.0000,  
0.8828

193.7372,

■ 0.0000, 0.0000,

196.2353, 251.4269

0.0000

236.0019,  
239.6273, 303.9007

■ 27.8847, 27.2750,  
40.3541

■ 27.8847, 27.2750,  
40.3541

■ 23.4688, 21.6795,  
39.5072

■ 32.9388, 33.7492,  
41.3378

■ 19.6628, 16.9213,  
38.7894

■ 38.6528, 41.1345,  
42.4621

■ 16.4399, 12.9605,  
38.1948

■ 45.0506, 49.4658,  
43.7330

■ 13.7706, 9.7529,  
37.7163

■ 52.1539, 58.7749,  
45.1555

■ 11.6223, 7.2495,  
37.3463

■ 59.9837, 69.0924,  
46.7343

■ 9.9590, 5.3957,  
37.0762

■ 68.5599, 80.4476,  
48.4741

■ 8.7398, 4.1286,  
36.8959

■ 77.6127, 92.2901,  
50.2828

■ 7.9097, 3.3589,  
36.7911

■ 82.1524, 94.6304,  
50.4952

■ 7.6949, 3.1611,  
36.7642

■ 83.9751, 95.5701,  
50.5805

# Harmonies

## Analogous

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



25.9071, 27.2750, 42.1657



27.8847, 27.2750, 40.3541



29.3995, 27.2750, 35.6159

# Triad

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



27.8847, 27.2750, 40.3541



27.9156, 27.2750, 21.1438



22.2563, 27.2750, 29.6492

# Complementary

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



27.8847, 27.2750, 40.3541



33.1778, 37.0793, 29.8357

# 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.



22.7340, 27.2750, 24.4746



27.8847, 27.2750, 40.3541



25.9411, 27.2750, 19.9673

# Square

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



27.8847, 27.2750, 40.3541



29.4179, 27.2750, 24.5487



24.0576, 27.2750, 21.1050



22.7184, 27.2750, 35.5209



# Rectangle

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



27.8847, 27.2750, 40.3541



29.9064, 27.2750, 31.7069



24.0576, 27.2750, 21.1050



22.3119, 27.2750, 27.7755

# Sweetspot

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



27.8855, 27.2761, 40.3547



60.6205, 62.5411, 74.3519



30.4383, 33.9095, 41.5005



13.4176, 13.8047, 16.6095



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656



# Same Dimension

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



27.8855, 27.2761, 40.3547



46.9664, 45.0665, 71.6986



30.4274, 28.5865, 40.4737



7.2765, 7.3751, 9.4584



5.9233, 2.4370, 28.1337



0.1846, 0.0801, 0.6864



# Inverse Universe

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



31.6029, 29.2551, 37.7007



54.8806, 49.2819, 65.9485



30.5843, 35.7422, 29.7144



7.7721, 7.6387, 9.1169



15.3596, 7.5525, 17.2368

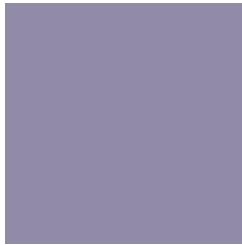


0.3904, 0.1905, 0.5076



# Previews

## White Background



This preview shows how the XYZ color 27.8847, 27.2750, 40.3541 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

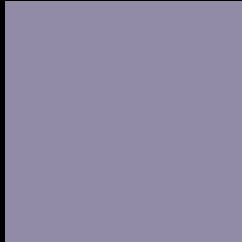
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.8847, 27.2750, 40.3541 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

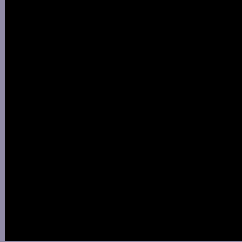
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 27.8847, 27.2750, 40.3541**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.8847, 27.2750, 40.3541.



This preview shows how white text looks on a background with the XYZ color 27.8847, 27.2750,



# 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

27.8847, 27.2750, 40.3541

### Protanopia

27.0028, 27.2327, 41.3693

### Deuteranopia

27.8847, 27.2750, 40.3541



## Tritanopia

26.6023, 27.1893, 33.9830

# Trichromacy



## Original Color

27.8847, 27.2750, 40.3541

## Protanomaly

27.2612, 27.1588, 40.8511

## Deuteranomaly

27.8847, 27.2750, 40.3541

## Tritanomaly

27.0512, 27.1541, 36.1633

# Monochromacy



## Original Color

27.8847, 27.2750, 40.3541

## Achromatopsia

26.5089, 27.8894, 30.3716

## Achromatomaly

26.8421, 27.5423, 33.6072

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.8847, 27.2750, 40.3541 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(145, 139, 167)` looks like.

```
.text, #text, p{  
    color:rgb(145, 139, 167)  
}
```

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(145, 139, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 139, 167) }
```

## Border

The CSS property to change the border of an element to XYZ 27.8847, 27.2750, 40.3541 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(145, 139, 167) }
```



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

```
.border{ border-color:rgb(145, 139, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 139, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 139, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 139, 167);  
box-shadow:4px 4px 4px 4px rgb(145, 139,  
167) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.8847, 27.2750, 40.3541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 139, 167) }
```

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

```
.background{ background-color: rgb(145,  
139, 167) }
```

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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