

# Converting Colors

XYZ(39.9229, 27.4848, 21.7336)

Have a look what the booklet for  
XYZ(39.9229, 27.4848, 21.7336)  
contains.

<b>XYZ(39.8272, 27.4745, 21.6163)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(39.8272, 27.4745,  
21.6163)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2687A
RGB	226, 104, 122
RGB Percent	89%, 41%, 48%
CMY	0.1137, 0.5921, 0.5216
CMYK	0.00, 0.54, 0.46, 0.11
HSL	351°, 68%, 65%
HSV	351°, 54%, 89%
XYZ	39.8272, 27.4745, 21.6163
YIQ	142.5300, 66.9340, 31.4620

# Conversions

## Conversions Part 2

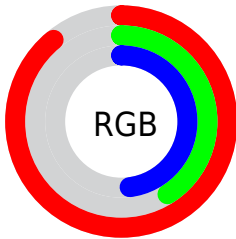
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 104, 122
Decimal	14837882
CIE Lab	59.41, 49.11, 13.35
CIE LCh	59, 50.888, 15.204
Yxy	27.4745, 0.4479, 0.3090
Android (android.graphics.Color)	4293027962 (0xFFE2687A)
YUV	142.5300, -10.1213, 73.2032
Hunter-Lab	52.4161, 43.9010, 12.2402

# Details

The XYZ color **39.8272, 27.4745, 21.6163** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **44.2920, 61.8905, 69.2902**, and the grayscale version is **25.9425, 27.2935, 29.7226**.

A 20% lighter version of the original color is **61.2781, 49.1123, 46.2943**, and **18.1025, 10.8826, 7.6250** is the 20% darker color. If you saturate the color by 10%, you get **36.7716, 23.0882, 15.2805**, and if you desaturate by 10%, it is **43.7303, 33.1772, 29.4027**.

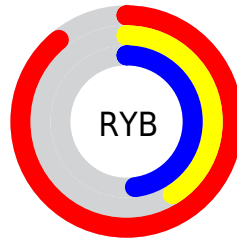
# Distribution



Red (89%)

Green (41%)

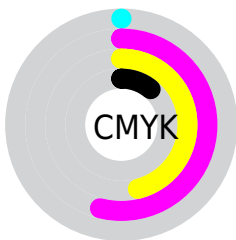
Blue (48%)



Red (89%)

Yellow (41%)

Blue (48%)

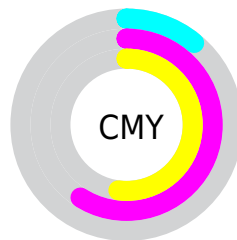


Cyan (0%)

Magenta (54%)

Yellow (46%)

Black (11%)



Cyan (11%)

Magenta (59%)


Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8272, 27.4745, 21.6163 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 39.8272, 27.4745, 21.6163 by changing the saturation by 10% instead.





 39.8272, 27.4745,  
21.6163


 39.8272, 27.4745,  
21.6163


336.5416,  
289.9473, 273.4237


 27.5875, 17.9299,  
13.3796


 74.1863, 55.6444,  
47.0050


 18.1538, 10.8997,  
7.5567


 97.0364, 75.0384,  
64.9942

 11.1608, 5.9994,  
3.7289


 124.1540, 98.4844,  
87.0712

 6.2432, 2.8447,  
1.4778

 155.9044,  
126.3667, 113.6547

 3.0356, 1.0512,  
0.2013

192.6530,  
159.0698, 145.1631

 1.1726, 0.0000,  
0.0000

234.7652,

 0.0846, 0.0000,

196.9780, 182.0151

0.0000

282.6063,  
240.4757, 224.6291

■ 0.0000, 0.0000,  
0.0000

■ 39.8272, 27.4745,  
21.6163

■ 39.8272, 27.4745,  
21.6163

■ 36.7716, 23.0882,  
15.2805

■ 43.7303, 33.1772,  
29.4027

■ 34.4975, 19.9086,  
10.3031

■ 48.5362, 40.2860,  
38.7209

■ 32.9323, 17.8155,  
6.5835

■ 54.2977, 48.8875,  
49.6479

■ 31.9882, 16.6613,  
4.0060

■ 61.0631, 59.0604,  
62.2550

■ 31.6432, 16.2804,  
2.9382

■ 68.8772, 70.8775,  
76.6092

■ 77.7824, 84.4073,  
92.7738

■ 85.1740, 94.9087,  
108.4378

# Harmonies

## Analogous

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



39.8572, 27.4745, 39.8116



39.8272, 27.4745, 21.6163



35.7434, 27.4745, 11.2713

# Triad

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



39.8272, 27.4745, 21.6163



18.3414, 27.4745, 11.3639



23.1051, 27.4745, 78.3477

# Complementary

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



39.8272, 27.4745, 21.6163



44.2920, 61.8905, 69.2902

# 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.



18.3904, 27.4745, 62.4045



39.8272, 27.4745, 21.6163



15.9600, 27.4745, 21.8117

# Square

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



39.8272, 27.4745, 21.6163



23.0274, 27.4745, 7.2096



15.9763, 27.4745, 40.1050



29.4641, 27.4745, 78.2246



# Rectangle

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



39.8272, 27.4745, 21.6163



31.6024, 27.4745, 8.0159



15.9763, 27.4745, 40.1050



21.3004, 27.4745, 74.4736

# Sweetspot

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



39.8279, 27.4759, 21.6168



78.2844, 74.6333, 78.1412



44.6069, 28.7596, 75.1515



16.3506, 15.3642, 15.9719



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



39.8279, 27.4759, 21.6168



47.8533, 29.6545, 19.0312



44.2509, 37.9440, 18.0903



13.7892, 13.7333, 14.6601



18.0791, 9.2986, 1.8164



1.2794, 0.6550, 0.2642



# Inverse Universe

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



39.8279, 27.4759, 21.6168



47.8533, 29.6545, 19.0312



36.4331, 42.4263, 78.2203



13.7892, 13.7333, 14.6601



18.0791, 9.2986, 1.8164



1.2794, 0.6550, 0.2642



# Previews

## White Background



This preview shows how the XYZ color 39.8272, 27.4745, 21.6163 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 39.8272, 27.4745, 21.6163 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

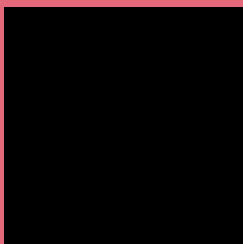
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 39.8272, 27.4745, 21.6163**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.8272, 27.4745, 21.6163.



This preview shows how white text looks on a background with the XYZ color 39.8272, 27.4745,



# 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

39.8272, 27.4745, 21.6163

### Protanopia

26.5590, 27.7089, 29.5397

### Deuteranopia

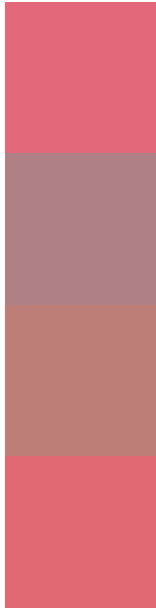
28.1772, 27.6534, 20.3755



## Tritanopia

39.1860, 27.5079, 18.8670

# Trichromacy



## Original Color

39.8272, 27.4745, 21.6163

## Protanomaly

29.9026, 26.5637, 26.4729

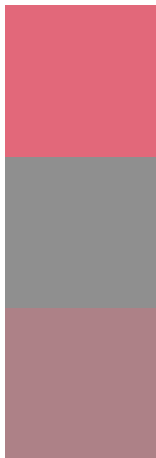
## Deuteranomaly

31.4699, 26.9211, 20.6772

## Tritanomaly

39.2553, 27.3717, 19.7373

# Monochromacy



## Original Color

39.8272, 27.4745, 21.6163

## Achromatopsia

26.1081, 27.4677, 29.9124

## Achromatomaly

29.4570, 26.3340, 26.4521

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.8272, 27.4745, 21.6163 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(226, 104, 122)` looks like.

```
.text, #text, p{  
    color:rgb(226, 104, 122)  
}
```

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(226, 104, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 104, 122) }
```

## Border

The CSS property to change the border of an element to XYZ 39.8272, 27.4745, 21.6163 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(226, 104, 122) }
```



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

```
.border{ border-color:rgb(226, 104, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 104, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 104, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 104, 122);  
box-shadow:4px 4px 4px 4px rgb(226, 104,  
122) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.8272, 27.4745, 21.6163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 104, 122) }
```

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

```
.background{ background-color: rgb(226,  
104, 122) }
```

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