

# Converting Colors

XYZ(43.0620, 27.0277, 39.8227)

Have a look what the booklet for  
XYZ(43.0620, 27.0277, 39.8227)  
contains.

<b>XYZ(43.2081, 27.1395, 40.0069)</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(43.2081, 27.1395,  
40.0069)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E55CA8
RGB	229, 92, 168
RGB Percent	90%, 36%, 66%
CMY	0.1020, 0.6392, 0.3412
CMYK	0.00, 0.60, 0.27, 0.10
HSL	327°, 72%, 63%
HSV	327°, 60%, 90%
XYZ	43.2081, 27.1395, 40.0069
YIQ	141.6270, 57.2560, 52.6800

# Conversions

## Conversions Part 2

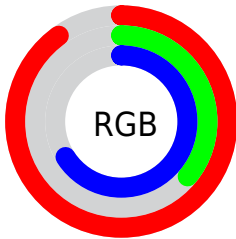
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	229, 92, 168
Decimal	15031464
CIE Lab	59.10, 60.73, -13.76
CIE LCh	59, 62.273, 347.235
Yxy	27.1395, 0.3915, 0.2459
Android (android.graphics.Color)	4293221544 (0xFFE55CA8)
YUV	141.6270, 13.0019, 76.6261
Hunter-Lab	52.0956, 56.8807, -9.0650

# Details

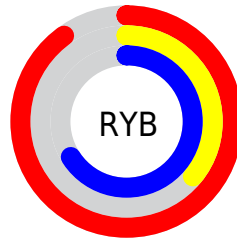
The XYZ color **43.2081, 27.1395, 40.0069** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **38.1842, 60.6146, 39.8275**, and the grayscale version is **25.4997, 26.8276, 29.2153**.

A 20% lighter version of the original color is **65.1492, 47.7675, 75.5984**, and **20.1942, 10.7355, 17.5308** is the 20% darker color. If you saturate the color by 10%, you get **40.6026, 23.3894, 34.6338**, and if you desaturate by 10%, it is **46.4891, 32.1208, 45.9732**.

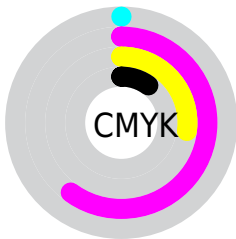
# Distribution



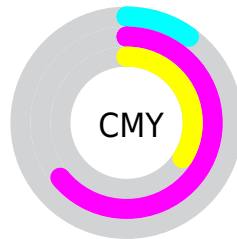
- Red (90%)
- Green (36%)
- Blue (66%)



- Red (90%)
- Yellow (36%)
- Blue (66%)



- Cyan (0%)
- Magenta (60%)
- Yellow (27%)
- Black (10%)



- Cyan (10%)
- Magenta (64%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.2081, 27.1395, 40.0069 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 43.2081, 27.1395, 40.0069 by changing the saturation by 10% instead.



43.2081, 27.1395,  
40.0069

43.2081, 27.1395,  
40.0069

350.3739,  
288.3319, 361.7056

30.2437, 17.6780,  
27.2301

79.2786, 55.1076,  
76.4112

20.1726, 10.7191,  
17.5121

103.1153, 74.3831,  
100.8758

12.6296, 5.8783,  
10.4345

131.3068, 97.6986,  
130.0734

7.2492, 2.7712,  
5.5786

164.2185,  
125.4387, 164.4226

3.6661, 1.0135,  
2.5260

202.2157,  
157.9877, 204.3419

1.5150, 0.0000,  
0.8539

245.6637,

0.3360, 0.0000,

195.7299, 250.2498

0.0000

294.9280,  
239.0499, 302.5648

■ 0.0000, 0.0000,  
0.0000

■ 43.2081, 27.1395,  
40.0069

■ 43.2081, 27.1395,  
40.0069

■ 40.6026, 23.3894,  
34.6338

■ 46.4891, 32.1208,  
45.9732

■ 38.6125, 20.7540,  
29.8249

■ 50.4938, 38.4278,  
52.5561

■ 37.1705, 19.1011,  
25.5491

■ 55.2684, 46.1504,  
59.7792

■ 36.1622, 18.2048,  
21.7595

■ 60.8547, 55.3693,  
67.6640

■ 36.1460, 18.1912,  
21.6956

■ 67.2911, 66.1593,  
76.2308

■ 74.6137, 78.5900,  
85.4987

■ 82.8564, 92.7269,  
95.4860

■ 85.2620, 95.0536,  
103.9473

■ 86.1231, 95.3980,  
108.4822

# Harmonies

## Analogous

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



38.3402, 27.1395, 68.9802



43.2081, 27.1395, 40.0069



42.7856, 27.1395, 18.6328

# Triad

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



43.2081, 27.1395, 40.0069



21.6312, 27.1395, 4.6706



16.9502, 27.1395, 73.2009

# Complementary

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



43.2081, 27.1395, 40.0069



38.1842, 60.6146, 39.8275

# 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.



14.0295, 27.1395, 44.0677



43.2081, 27.1395, 40.0069



16.3372, 27.1395, 9.0260

# Square

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



43.2081, 27.1395, 40.0069



29.2263, 27.1395, 4.4235



13.8302, 27.1395, 21.0957



22.6439, 27.1395, 93.6820



# Rectangle

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



43.2081, 27.1395, 40.0069



39.5552, 27.1395, 10.5319



13.8302, 27.1395, 21.0957



15.6657, 27.1395, 63.5824

# Sweetspot

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



43.2089, 27.1409, 40.0074



78.9971, 72.8829, 88.1699



30.8022, 19.9277, 76.3518



16.4267, 14.7977, 18.2131



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.



43.2089, 27.1409, 40.0074



51.0855, 28.8442, 42.5356



38.4968, 25.2561, 15.1940



14.7100, 14.5012, 16.6731



20.7280, 10.4254, 12.7287



1.5783, 0.7890, 1.1861



# Inverse Universe

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



43.2089, 27.1409, 40.0074



51.0855, 28.8442, 42.5356



45.3345, 63.4747, 77.4805



14.7100, 14.5012, 16.6731



20.7280, 10.4254, 12.7287



1.5783, 0.7890, 1.1861



# Previews

## White Background



This preview shows how the XYZ color 43.2081, 27.1395, 40.0069 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

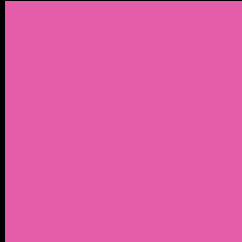
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.2081, 27.1395, 40.0069 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

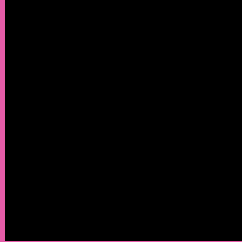
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 43.2081, 27.1395, 40.0069**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.2081, 27.1395, 40.0069.



This preview shows how white text looks on a background with the XYZ color 43.2081, 27.1395,



# 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

43.2081, 27.1395, 40.0069

### Protanopia

28.3539, 27.5250, 59.6956

### Deuteranopia

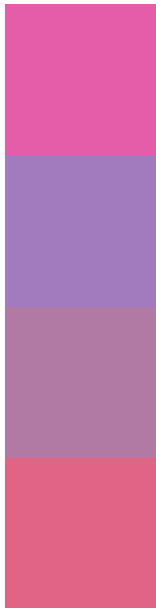
27.8784, 27.3343, 37.5249



## Tritanopia

38.7167, 27.1203, 18.5234

# Trichromacy



## Original Color

43.2081, 27.1395, 40.0069

## Protanomaly

31.2775, 25.5650, 52.0012

## Deuteranomaly

31.7918, 25.9465, 38.4545

## Tritanomaly

40.0861, 26.9490, 24.9187

# Monochromacy



## Original Color

43.2081, 27.1395, 40.0069

## Achromatopsia

25.7108, 27.0498, 29.4572

## Achromatomaly

30.2491, 25.6483, 32.6345

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.2081, 27.1395, 40.0069 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(229, 92, 168)` looks like.

```
.text, #text, p{  
    color:rgb(229, 92, 168)  
}
```

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(229, 92, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 92, 168) }
```

## Border

The CSS property to change the border of an element to XYZ 43.2081, 27.1395, 40.0069 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(229, 92, 168) }
```



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

```
.border{ border-color:rgb(229, 92, 168) }
```

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

Here you see how a box with a 4 pixel rgb(229, 92, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 92, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 92, 168);  
box-shadow:4px 4px 4px 4px rgb(229, 92,  
168) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.2081, 27.1395, 40.0069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 92, 168) }
```

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

```
.background{ background-color: rgb(229, 92,  
168) }
```

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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