

# Converting Colors

XYZ(42.4936, 29.5424, 32.5713)

Have a look what the booklet for  
XYZ(42.4936, 29.5424, 32.5713)  
contains.

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# Color

**XYZ(42.5259, 29.5550,  
32.7415)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E26E97
RGB	226, 110, 151
RGB Percent	89%, 43%, 59%
CMY	0.1137, 0.5686, 0.4078
CMYK	0.00, 0.51, 0.33, 0.11
HSL	339°, 67%, 66%
HSV	339°, 51%, 89%
XYZ	42.5259, 29.5550, 32.7415
YIQ	149.3580, 55.9750, 37.3430

# Conversions

## Conversions Part 2

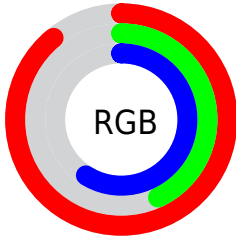
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	226, 110, 151
Decimal	14839447
CIE <sub>Lab</sub>	61.27, 49.37, -0.77
CIE <sub>LCh</sub>	61, 49.374, 359.107
Yxy	29.5550, 0.4057, 0.2820
Android (android.graphics.Color)	4293029527 (0xFFE26E97)
YUV	149.3580, 0.8095, 67.2150
Hunter-Lab	54.3645, 44.4913, 2.3472

# Details

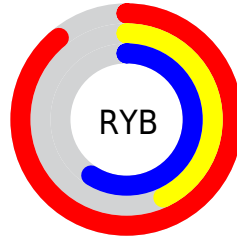
The XYZ color **42.5259, 29.5550, 32.7415** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **42.3853, 61.2113, 55.4834**, and the grayscale version is **28.6990, 30.1936, 32.8808**.

A 20% lighter version of the original color is **65.7146, 52.5780, 64.4426**, and **19.6508, 11.9639, 13.3302** is the 20% darker color. If you saturate the color by 10%, you get **39.2769, 24.8399, 26.1618**, and if you desaturate by 10%, it is **46.5454, 35.5754, 40.3043**.

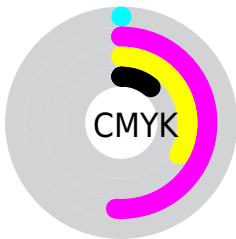
# Distribution



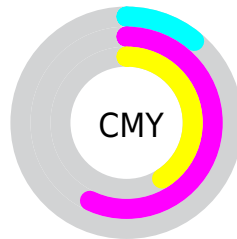
- Red (89%)
- Green (43%)
- Blue (59%)



- Red (89%)
- Yellow (43%)
- Blue (59%)



- Cyan (0%)
- Magenta (51%)
- Yellow (33%)
- Black (11%)




- Cyan (11%)
- Magenta (57%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5259, 29.5550, 32.7415 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 42.5259, 29.5550, 32.7415 by changing the saturation by 10% instead.




 42.5259, 29.5550,  
32.7415

 42.5259, 29.5550,  
32.7415


347.6130,  
299.8247, 329.0795


 29.7062, 19.5011,  
21.6590


 78.2551, 58.9577,  
65.0831


 19.7627, 12.0329,  
13.4106


 101.8954, 79.0753,  
87.1793

 12.3299, 6.7661,  
7.5779


 129.8732,  
103.3162, 113.7837

 7.0426, 3.3162,  
3.7422

 162.5539,  
132.0649, 145.3150

 3.5353, 1.2990,  
1.4850

200.3029,  
165.7056, 182.1917

 1.4428, 0.1404,  
0.2067

243.4855,

 0.2864, 0.0000,

204.6229, 224.8324

0.0000

292.4671,  
249.2011, 273.6554

■ 0.0000, 0.0000,  
0.0000

■ 42.5259, 29.5550,  
32.7415

■ 42.5259, 29.5550,  
32.7415

■ 39.2769, 24.8399,  
26.1618

■ 46.5454, 35.5754,  
40.3043

■ 36.7422, 21.3268,  
20.5194

■ 51.3812, 42.9849,  
48.8898

■ 34.8618, 18.9044,  
15.7662

■ 57.0782, 51.8656,  
58.5372

■ 33.5632, 17.4377,  
11.8485

■ 63.6774, 62.2919,  
69.2828

■ 32.8073, 16.7461,  
9.0679

■ 71.2169, 74.3331,  
81.1613

■ 79.7328, 88.0544,  
94.2056

■ 84.9000, 94.7991,  
106.9946

■ 85.1741, 94.9088,  
108.4378

# Harmonies

## Analogous

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



40.2335, 29.5550, 54.2686



42.5259, 29.5550, 32.7415



40.4815, 29.5550, 17.7251

# Triad

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



42.5259, 29.5550, 32.7415



22.4417, 29.5550, 9.9493



22.1525, 29.5550, 73.6835

# Complementary

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



42.5259, 29.5550, 32.7415



42.3853, 61.2113, 55.4834

# 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.



18.5284, 29.5550, 52.9110



42.5259, 29.5550, 32.7415



18.6764, 29.5550, 17.0836

# Square

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



42.5259, 29.5550, 32.7415



28.2864, 29.5550, 8.0248



17.3596, 29.5550, 31.6257



27.8968, 29.5550, 82.8503



# Rectangle

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



42.5259, 29.5550, 32.7415



37.0893, 29.5550, 12.0034



17.3596, 29.5550, 31.6257



20.6805, 29.5550, 67.5121

# Sweetspot

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



42.5267, 29.5565, 32.7421



80.3091, 76.4852, 85.5909



38.9444, 26.7692, 75.0660



16.7945, 15.7469, 17.6772



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.



42.5267, 29.5565, 32.7421



51.2367, 32.0834, 33.5320



41.5725, 32.0819, 18.7551



13.9063, 13.7802, 15.2768



18.7677, 9.5741, 5.4427



1.3424, 0.6802, 0.5959



# Inverse Universe

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



42.5267, 29.5565, 32.7421



51.2367, 32.0834, 33.5320



43.3375, 55.1639, 80.3152



13.9063, 13.7802, 15.2768



18.7677, 9.5741, 5.4427



1.3424, 0.6802, 0.5959



# Previews

## White Background



This preview shows how the XYZ color 42.5259, 29.5550, 32.7415 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

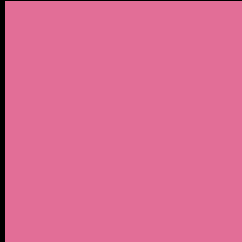
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.5259, 29.5550, 32.7415 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

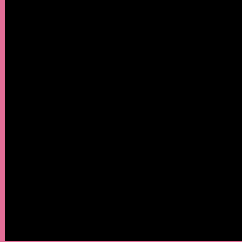
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 42.5259, 29.5550, 32.7415**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.5259, 29.5550, 32.7415.



This preview shows how white text looks on a background with the XYZ color 42.5259, 29.5550,



# 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

42.5259, 29.5550, 32.7415

### Protanopia

29.4014, 29.7631, 44.2396

### Deuteranopia

30.3206, 29.6128, 31.3119



## Tritanopia

40.4464, 29.5388, 22.3087

# Trichromacy



## Original Color

42.5259, 29.5550, 32.7415

## Protanomaly

32.6416, 28.6876, 39.8933

## Deuteranomaly

33.9551, 28.9355, 31.8125

## Tritanomaly

41.1901, 29.5113, 25.7156

# Monochromacy



## Original Color

42.5259, 29.5550, 32.7415

## Achromatopsia

28.5667, 30.0544, 32.7292

## Achromatomaly

32.3005, 28.8771, 32.7256

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.5259, 29.5550, 32.7415 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, 110, 151)` looks like.

```
.text, #text, p{  
    color:rgb(226, 110, 151)  
}
```

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, 110, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 110, 151) }
```

## Border

The CSS property to change the border of an element to XYZ 42.5259, 29.5550, 32.7415 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, 110, 151) }
```



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

```
.border{ border-color:rgb(226, 110, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 110, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 110, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 110, 151);  
box-shadow:4px 4px 4px 4px rgb(226, 110,  
151) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.5259, 29.5550, 32.7415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 110, 151) }
```

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

```
.background{ background-color: rgb(226,  
110, 151) }
```

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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