

# Converting Colors

XYZ(42.7167, 24.0570, 49.4538)

Have a look what the booklet for  
XYZ(42.7167, 24.0570, 49.4538)  
contains.

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# Color

**XYZ(42.7153, 24.0530,  
49.4051)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E344BB
RGB	227, 68, 187
RGB Percent	89%, 27%, 73%
CMY	0.1098, 0.7333, 0.2667
CMYK	0.00, 0.70, 0.18, 0.11
HSL	315°, 74%, 58%
HSV	315°, 70%, 89%
XYZ	42.7153, 24.0530, 49.4051
YIQ	129.1070, 56.5650, 70.7170

# Conversions

## Conversions Part 2

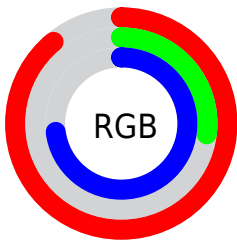
Format	Color
R <sub>Y</sub> B	227, 68, 187
Decimal	14894267
CIE Lab	56.14, 72.04, -29.31
CIE LCh	56, 77.769, 337.863
Yxy	24.0530, 0.3677, 0.2070
Android (android.graphics.Color)	4293084347 (0xFFE344BB)
YUV	129.1070, 28.5412, 85.8522
Hunter-Lab	49.0439, 69.6398, -25.3960

# Details

The XYZ color **42.7153, 24.0530, 49.4051** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted rose. A complement of this color would be **32.5610, 57.2507, 23.5242**, and the grayscale version is **20.7945, 21.8774, 23.8245**.

A 20% lighter version of the original color is **65.1368, 43.1694, 89.6935**, and **20.3821, 10.0183, 23.0498** is the 20% darker color. If you saturate the color by 10%, you get **40.9992, 21.5795, 45.8763**, and if you desaturate by 10%, it is **44.9885, 27.6009, 53.2399**.

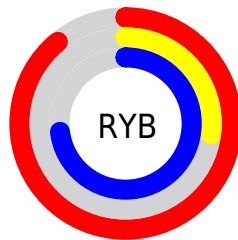
# Distribution



Red (89%)

Green (27%)

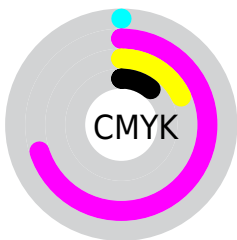
Blue (73%)



Red (89%)

Yellow (27%)

Blue (73%)

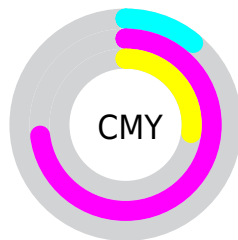


Cyan (0%)

Magenta (70%)

Yellow (18%)

Black (11%)



Cyan (11%)

Magenta (73%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7153, 24.0530, 49.4051 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 42.7153, 24.0530, 49.4051 by changing the saturation by 10% instead.



 42.7153, 24.0530,  
49.4051


 42.7153, 24.0530,  
49.4051

348.3810,  
273.0883, 401.0032


 29.8554, 15.3729,  
34.5731


 78.5395, 50.1167,  
90.6800


 19.8763, 9.0815,  
23.0533

 102.2344, 68.2691,  
117.9600

 12.4129, 4.7944,  
14.4272


 130.2717, 90.3477,  
150.2264

 7.0998, 2.1271,  
8.2762

 163.0167,  
116.7370, 187.8977

 3.5714, 0.6798,  
4.1819

 200.8347,  
147.8213, 231.3925

 1.4627, 0.0000,  
1.7257

244.0913,

 0.3002, 0.0000,

183.9850, 281.1293

0.3782

293.1516,  
225.6126, 337.5267

■ 0.0000, 0.0000,  
0.0000

■ 42.7153, 24.0530,  
49.4051

■ 42.7153, 24.0530,  
49.4051

■ 40.9992, 21.5795,  
45.8763

■ 44.9885, 27.6009,  
53.2399

■ 39.7722, 20.0463,  
42.6291


■ 47.8715, 32.3295,  
57.3991


■ 38.9241, 19.2291,  
39.6359


■ 51.4134, 38.3361,  
61.9006


■ 55.6576, 45.7071,  
66.7602

■ 60.6436, 54.5212,  
71.9923

 66.4081, 64.8510,  
77.6104

 72.9851, 76.7645,  
83.6272

 80.4066, 90.3252,  
90.0544

 82.9301, 94.0476,  
94.9792

# Harmonies

## Analogous

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



35.0886, 24.0530, 87.2672



42.7153, 24.0530, 49.4051



44.4107, 24.0530, 20.0276

# Triad

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



42.7153, 24.0530, 49.4051



20.5944, 24.0530, 1.4442



11.8175, 24.0530, 69.3925

# Complementary

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



42.7153, 24.0530, 49.4051



32.5610, 57.2507, 23.5242

# 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.



9.7319, 24.0530, 33.5013



42.7153, 24.0530, 49.4051



13.8670, 24.0530, 3.4006

# Square

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



42.7153, 24.0530, 49.4051



29.9536, 24.0530, 1.9520



10.3696, 24.0530, 11.6971



16.9880, 24.0530, 103.1350



# Rectangle

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



42.7153, 24.0530, 49.4051



41.6262, 24.0530, 9.2861



10.3696, 24.0530, 11.6971



10.8030, 24.0530, 56.5110

# Sweetspot

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



42.7161, 24.0542, 49.4056



78.1878, 69.6259, 92.9511



22.0877, 12.8543, 73.9904



16.3345, 14.1915, 19.4828



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.



42.7161, 24.0542, 49.4056



52.5816, 27.0543, 57.7770



36.4403, 21.5439, 16.3574



14.8321, 14.5500, 17.3160



22.7497, 11.2341, 23.3747



1.7178, 0.8448, 1.9206



# Inverse Universe

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



42.7161, 24.0542, 49.4056



52.5816, 27.0543, 57.7770



38.8505, 59.7664, 56.6441



14.8321, 14.5500, 17.3160



22.7497, 11.2341, 23.3747



1.7178, 0.8448, 1.9206



# Previews

## White Background



This preview shows how the XYZ color 42.7153, 24.0530, 49.4051 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

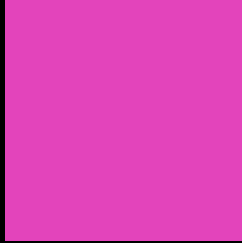
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 42.7153, 24.0530, 49.4051 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

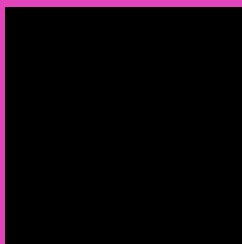
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 42.7153, 24.0530, 49.4051**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.7153, 24.0530, 49.4051.



This preview shows how white text looks on a background with the XYZ color 42.7153, 24.0530,



# 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

42.7153, 24.0530, 49.4051

### Protanopia

27.5776, 24.6658, 84.9688

### Deuteranopia

24.8809, 24.3494, 45.5080



## Tritanopia

35.5164, 23.9856, 14.8144

# Trichromacy



## Original Color

42.7153, 24.0530, 49.4051



## Protanomaly

28.7034, 21.4230, 70.3324



## Deuteranomaly

28.7094, 21.9549, 46.4406



## Tritanomaly

37.5376, 23.6925, 24.4245

# Monochromacy



## Original Color

42.7153, 24.0530, 49.4051



## Achromatopsia

20.8660, 21.9526, 23.9064



## Achromatomaly

26.2798, 20.7167, 31.4678

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.7153, 24.0530, 49.4051 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(227, 68, 187)` looks like.

```
.text, #text, p{  
    color:rgb(227, 68, 187)  
}
```

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(227, 68, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 68, 187) }
```

## Border

The CSS property to change the border of an element to XYZ 42.7153, 24.0530, 49.4051 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(227, 68, 187) }
```



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

```
.border{ border-color:rgb(227, 68, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 68, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 68, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 68, 187);  
box-shadow:4px 4px 4px 4px rgb(227, 68,  
187) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.7153, 24.0530, 49.4051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 68, 187) }
```

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

```
.background{ background-color: rgb(227, 68,  
187) }
```

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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