

# Converting Colors

XYZ(41.8932, 24.6770, 45.5333)

Have a look what the booklet for  
XYZ(41.8932, 24.6770, 45.5333)  
contains.

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# Color

**XYZ(42.0139, 24.7516,  
45.7432)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E14EB4
RGB	225, 78, 180
RGB Percent	88%, 31%, 71%
CMY	0.1176, 0.6941, 0.2941
CMYK	0.00, 0.65, 0.20, 0.12
HSL	318°, 71%, 59%
HSV	318°, 65%, 88%
XYZ	42.0139, 24.7516, 45.7432
YIQ	133.5810, 54.8700, 62.8860

# Conversions

## Conversions Part 2

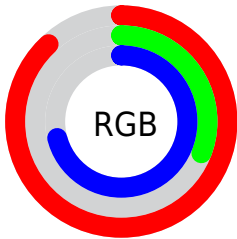
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	225, 78, 180
Decimal	14765748
CIE <sub>Lab</sub>	56.83, 66.95, -24.22
CIE <sub>LCh</sub>	57, 71.192, 340.113
Yxy	24.7516, 0.3734, 0.2200
Android (android.graphics.Color)	4292955828 (0xFFE14EB4)
YUV	133.5810, 22.8846, 80.1745
Hunter-Lab	49.7510, 63.6762, -19.6881

# Details

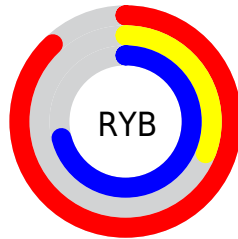
The XYZ color **42.0139, 24.7516, 45.7432** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **33.6435, 56.9009, 27.9513**, and the grayscale version is **22.4125, 23.5796, 25.6782**.

A 20% lighter version of the original color is **65.1845, 44.9244, 84.5926**, and **19.5566, 9.6393, 20.9085** is the 20% darker color. If you saturate the color by 10%, you get **39.9956, 21.8100, 41.6940**, and if you desaturate by 10%, it is **44.6152, 28.8028, 50.1592**.

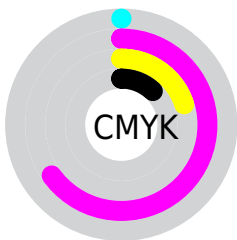
# Distribution



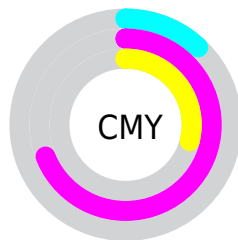
- Red (88%)
- Green (31%)
- Blue (71%)



- Red (88%)
- Yellow (31%)
- Blue (71%)



- Cyan (0%)
- Magenta (65%)
- Yellow (20%)
- Black (12%)




- Cyan (12%)
- Magenta (69%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0139, 24.7516, 45.7432 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 42.0139, 24.7516, 45.7432 by changing the saturation by 10% instead.




 42.0139, 24.7516,  
45.7432

 42.0139, 24.7516,  
45.7432


345.5312,  
276.5986, 386.0228


 29.3033, 15.8921,  
31.6960


 77.4857, 51.2540,  
85.1648


 19.4558, 9.4478,  
20.8665


 100.9776, 69.6656,  
111.3763

 12.1061, 5.0344,  
12.8362


 128.7941, 92.0301,  
142.4796

 6.8887, 2.2675,  
7.1864

 161.3004,  
118.7317, 178.8933

 3.4383, 0.7564,  
3.4988

198.8619,  
150.1551, 221.0359

 1.3896, 0.0000,  
1.3546

241.8439,

 0.2488, 0.0000,

186.6844, 269.3260

0.1059

290.6119,  
228.7041, 324.1821

■ 0.0000, 0.0000,  
0.0000

■ 42.0139, 24.7516,  
45.7432

■ 42.0139, 24.7516,  
45.7432

■ 39.9956, 21.8100,  
41.6940

■ 44.6152, 28.8028,  
50.1592

■ 38.4991, 19.8572,  
37.9881

■ 47.8480, 34.0606,  
54.9601


■ 37.4528, 18.7507,  
34.5993


■ 51.7579, 40.6153,  
60.1635


■ 37.0623, 18.4120,  
33.1060


■ 56.3858, 48.5480,  
65.7854

■ 61.7692, 57.9327,  
71.8406

 67.9428, 68.8383,  
78.3429

 74.9393, 81.3293,  
85.3054

 81.8221, 93.5319,  
92.4181

 82.8375, 93.9380,  
97.7651

# Harmonies

## Analogous

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



35.4176, 24.7516, 79.4017



42.0139, 24.7516, 45.7432



43.0615, 24.7516, 19.6765

# Triad

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



42.0139, 24.7516, 45.7432



20.8258, 24.7516, 2.3252



13.2855, 24.7516, 68.5839

# Complementary

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



42.0139, 24.7516, 45.7432



33.6435, 56.9009, 27.9513

# 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.



11.0251, 24.7516, 35.8264



42.0139, 24.7516, 45.7432



14.6470, 24.7516, 4.8975

# Square

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



42.0139, 24.7516, 45.7432



29.4009, 24.7516, 2.7426



11.4565, 24.7516, 14.1716



18.4904, 24.7516, 97.1174



# Rectangle

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



42.0139, 24.7516, 45.7432



40.2642, 24.7516, 9.8745



11.4565, 24.7516, 14.1716



12.2190, 24.7516, 57.1081

# Sweetspot

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



42.0147, 24.7528, 45.7437



78.4701, 70.7006, 91.4722



24.3566, 15.0315, 72.8521



16.3704, 14.3926, 19.0960



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.



42.0147, 24.7528, 45.7437



52.4089, 27.9980, 53.7452



36.4517, 22.5276, 16.4494



14.1070, 13.8604, 16.3336



21.4113, 10.6315, 19.3636



1.5235, 0.7527, 1.5496



# Inverse Universe

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



42.0147, 24.7528, 45.7437



52.4089, 27.9980, 53.7452



39.9864, 59.4381, 61.3525



14.1070, 13.8604, 16.3336



21.4113, 10.6315, 19.3636



1.5235, 0.7527, 1.5496



# Previews

## White Background



This preview shows how the XYZ color 42.0139, 24.7516, 45.7432 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

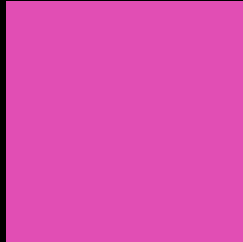
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.0139, 24.7516, 45.7432 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

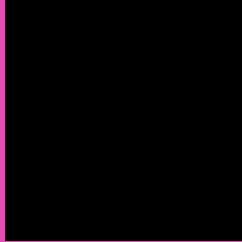
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 42.0139, 24.7516, 45.7432**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.0139, 24.7516, 45.7432.



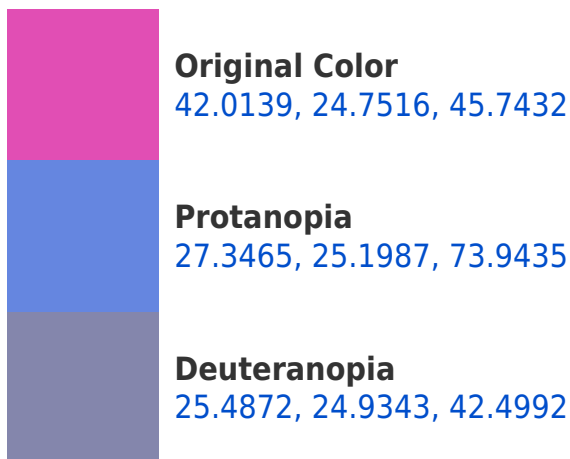
This preview shows how white text looks on a background with the XYZ color 42.0139, 24.7516,



# 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





## Tritanopia

35.8309, 24.6607, 16.2361

# Trichromacy



## Original Color

42.0139, 24.7516, 45.7432



## Protanomaly

29.2565, 22.6997, 62.5140



## Deuteranomaly

29.4811, 23.2368, 43.4888



## Tritanomaly

37.7247, 24.5203, 24.5744

# Monochromacy



## Original Color

42.0139, 24.7516, 45.7432



## Achromatopsia

22.6597, 23.8398, 25.9615



## Achromatomaly

27.5396, 22.4845, 32.1666

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.0139, 24.7516, 45.7432 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(225, 78, 180)` looks like.

```
.text, #text, p{  
    color:rgb(225, 78, 180)  
}
```

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(225, 78, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 78, 180) }
```

## Border

The CSS property to change the border of an element to XYZ 42.0139, 24.7516, 45.7432 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(225, 78, 180) }
```



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

```
.border{ border-color:rgb(225, 78, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 78, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 78, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 78, 180);  
box-shadow:4px 4px 4px 4px rgb(225, 78,  
180) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.0139, 24.7516, 45.7432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 78, 180) }
```

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

```
.background{ background-color: rgb(225, 78,  
180) }
```

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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