

# Converting Colors

XYZ(40.5702, 24.4599, 21.8307)

Have a look what the booklet for  
XYZ(40.5702, 24.4599, 21.8307)  
contains.

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# Color

**XYZ(40.6165, 24.4506,  
21.9807)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EB4D7D
RGB	235, 77, 125
RGB Percent	92%, 30%, 49%
CMY	0.0784, 0.6980, 0.5098
CMYK	0.00, 0.67, 0.47, 0.08
HSL	342°, 80%, 61%
HSV	342°, 67%, 92%
XYZ	40.6165, 24.4506, 21.9807
YIQ	129.7140, 78.7600, 48.4240

# Conversions

## Conversions Part 2

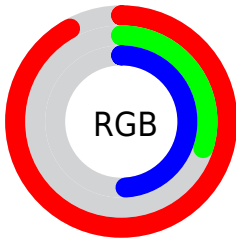
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	235, 77, 125
Decimal	15420797
CIE <sub>Lab</sub>	56.54, 63.95, 7.74
CIE <sub>LCh</sub>	57, 64.420, 6.898
Yxy	24.4506, 0.4666, 0.2809
Android (android.graphics.Color)	4293610877 (0xFFEB4D7D)
YUV	129.7140, -2.3240, 92.3358
Hunter-Lab	49.4475, 60.0877, 8.2574

# Details

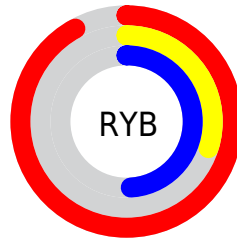
The XYZ color **40.6165, 24.4506, 21.9807** is a dark color, and the websafe version is hex **FF6699**. The color can be described as middle muted rose. A complement of this color would be **41.7403, 64.5830, 57.2848**, and the grayscale version is **21.1069, 22.2061, 24.1825**.

A 20% lighter version of the original color is **57.8398, 41.7623, 46.6074**, and **18.7601, 9.5205, 7.6863** is the 20% darker color. If you saturate the color by 10%, you get **38.2982, 21.3514, 16.4689**, and if you desaturate by 10%, it is **43.7018, 28.8085, 28.5981**.

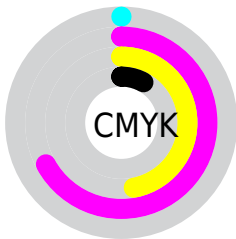
# Distribution



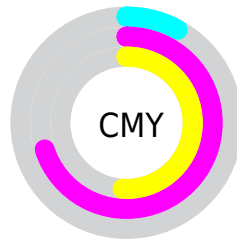
- Red (92%)
- Green (30%)
- Blue (49%)



- Red (92%)
- Yellow (30%)
- Blue (49%)



- Cyan (0%)
- Magenta (67%)
- Yellow (47%)
- Black (8%)




- Cyan (8%)
- Magenta (70%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6165, 24.4506, 21.9807 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 40.6165, 24.4506, 21.9807 by changing the saturation by 10% instead.




 40.6165, 24.4506,  
21.9807


 40.6165, 24.4506,  
21.9807


339.8053,  
275.0907, 275.3957


 28.2059, 15.6682,  
13.6445


 75.3798, 50.7645,  
47.6159


 18.6222, 9.2897,  
7.7379


 98.4632, 69.0648,  
65.7520


 11.5000, 4.9306,  
3.8424


 125.8348, 91.3066,  
87.9918

 6.4739, 2.2066,  
1.5393

 157.8602,  
117.8742, 114.7539

 3.1787, 0.7236,  
0.2469

 194.9045,  
149.1520, 146.4568

 1.2490, 0.0000,  
0.0000

237.3333,

 0.1445, 0.0000,

185.5244, 183.5190

0.0000

285.5117,  
227.3759, 226.3591

■ 0.0000, 0.0000,  
0.0000

■ 40.6165, 24.4506,  
21.9807

■ 40.6165, 24.4506,  
21.9807

■ 38.2982, 21.3514,  
16.4689

■ 43.7018, 28.8085,  
28.5981

■ 36.6693, 19.3687,  
11.9947

■ 47.6176, 34.5390,  
36.3802


■ 35.6331, 18.3241,  
8.4809

■ 52.4224, 41.7478,  
45.3833


■ 35.4105, 18.1220,  
7.6574

■ 58.1689, 50.5290,  
55.6591

■ 64.9055, 60.9687,  
67.2563

 72.6771, 73.1469,  
80.2210

 81.5261, 87.1385,  
94.5968

 88.0709, 96.4021,  
108.5734

# Harmonies

## Analogous

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



39.1149, 24.4506, 46.2467



40.6165, 24.4506, 21.9807



36.7241, 24.4506, 8.7737

# Triad

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



40.6165, 24.4506, 21.9807



15.6378, 24.4506, 5.4142



18.0466, 24.4506, 85.2243

# Complementary

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



40.6165, 24.4506, 21.9807



41.7403, 64.5830, 57.2848

# 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.



13.5408, 24.4506, 59.7495



40.6165, 24.4506, 21.9807



12.3725, 24.4506, 13.5233

# Square

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



40.6165, 24.4506, 21.9807



21.5566, 24.4506, 3.1058



11.6968, 24.4506, 31.8758



25.0080, 24.4506, 91.9108



# Rectangle

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



40.6165, 24.4506, 21.9807



32.0005, 24.4506, 4.8914



11.6968, 24.4506, 31.8758



16.2441, 24.4506, 78.0957

# Sweetspot

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



40.6171, 24.4520, 21.9811



75.6839, 69.5861, 76.8001



37.6502, 21.6178, 80.7853



15.7042, 14.1261, 15.5878



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.



40.6171, 24.4520, 21.9811



45.1952, 24.5628, 17.4531



40.7522, 28.5010, 10.3764



15.2538, 15.1294, 16.6219



19.7573, 10.1056, 4.5231



1.5928, 0.8101, 0.5731



# Inverse Universe

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



40.6171, 24.4520, 21.9811



45.1952, 24.5628, 17.4531



40.1365, 51.7358, 86.4677



15.2538, 15.1294, 16.6219



19.7573, 10.1056, 4.5231

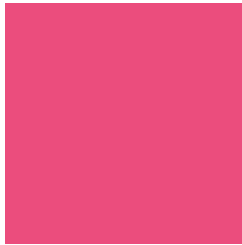


1.5928, 0.8101, 0.5731



# Previews

## White Background



This preview shows how the XYZ color 40.6165, 24.4506, 21.9807 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 40.6165, 24.4506, 21.9807 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

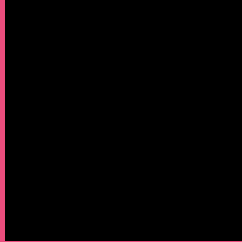
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 40.6165, 24.4506, 21.9807**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.6165, 24.4506, 21.9807.



This preview shows how white text looks on a background with the XYZ color 40.6165, 24.4506,



# 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

40.6165, 24.4506, 21.9807

### Protanopia

24.3512, 24.7021, 35.8323

### Deuteranopia

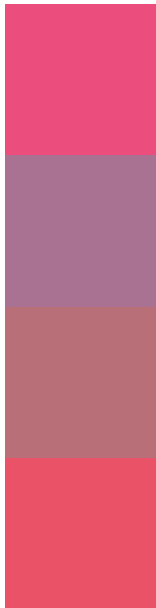
25.0375, 24.5849, 20.2554



## Tritanopia

38.6982, 24.5588, 12.3736

# Trichromacy



## Original Color

40.6165, 24.4506, 21.9807

## Protanomaly

27.5678, 22.5450, 30.0928

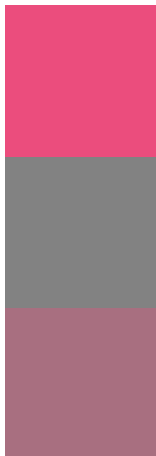
## Deuteranomaly

29.0822, 23.0392, 20.6835

## Tritanomaly

39.3972, 24.5063, 15.4857

# Monochromacy



## Original Color

40.6165, 24.4506, 21.9807

## Achromatopsia

21.2178, 22.3228, 24.3095

## Achromatomaly

25.7292, 21.2522, 23.1681

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.6165, 24.4506, 21.9807 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(235, 77, 125)` looks like.

```
.text, #text, p{  
    color:rgb(235, 77, 125)  
}
```

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(235, 77, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 77, 125) }
```

## Border

The CSS property to change the border of an element to XYZ 40.6165, 24.4506, 21.9807 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(235, 77, 125) }
```



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

```
.border{ border-color:rgb(235, 77, 125) }
```

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

Here you see how a box with a 4 pixel rgb(235, 77, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 77, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 77, 125);  
box-shadow:4px 4px 4px 4px rgb(235, 77,  
125) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.6165, 24.4506, 21.9807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 77, 125) }
```

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

```
.background{ background-color: rgb(235, 77,  
125) }
```

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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