

# Converting Colors

XYZ(39.9707, 26.1682, 24.1015)

Have a look what the booklet for  
XYZ(39.9707, 26.1682, 24.1015)  
contains.

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# Color

**XYZ(40.1164, 26.2901,  
24.0792)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E45F82
RGB	228, 95, 130
RGB Percent	89%, 37%, 51%
CMY	0.1059, 0.6274, 0.4902
CMYK	0.00, 0.58, 0.43, 0.11
HSL	344°, 71%, 63%
HSV	344°, 58%, 89%
XYZ	40.1164, 26.2901, 24.0792
YIQ	138.7570, 68.0330, 39.0810

# Conversions

## Conversions Part 2

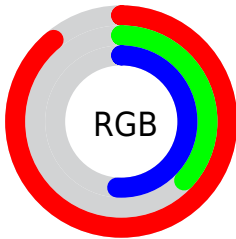
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	228, 95, 130
Decimal	14966658
CIE Lab	58.31, 54.75, 7.18
CIE LCh	58, 55.218, 7.469
Yxy	26.2901, 0.4433, 0.2905
Android (android.graphics.Color)	4293156738 (0xFFE45F82)
YUV	138.7570, -4.3172, 78.2661
Hunter-Lab	51.2739, 49.9282, 8.0480

# Details

The XYZ color **40.1164, 26.2901, 24.0792** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **42.0899, 61.7706, 60.1608**, and the grayscale version is **24.4459, 25.7190, 28.0080**.

A 20% lighter version of the original color is **60.6936, 46.4916, 50.5746**, and **18.2952, 10.2420, 8.7972** is the 20% darker color. If you saturate the color by 10%, you get **37.3176, 22.3524, 18.0294**, and if you desaturate by 10%, it is **43.7016, 31.5059, 31.3001**.

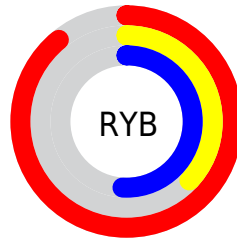
# Distribution



Red (89%)

Green (37%)

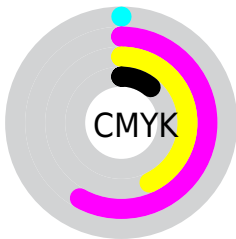
Blue (51%)



Red (89%)

Yellow (37%)

Blue (51%)

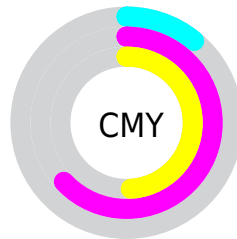


Cyan (0%)

Magenta (58%)

Yellow (43%)

Black (11%)



Cyan (11%)

Magenta (63%)


Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1164, 26.2901, 24.0792 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 40.1164, 26.2901, 24.0792 by changing the saturation by 10% instead.





 40.1164, 26.2901,  
24.0792

 40.1164, 26.2901,  
24.0792


337.7399,  
284.2033, 286.5201


 27.8139, 17.0408,  
15.1796


 74.6239, 53.7426,  
51.1049


 18.3252, 10.2636,  
8.7975


 97.5597, 72.7145,  
70.0680

 11.2848, 5.5741,  
4.5144


 124.7707, 95.6962,  
93.2228

 6.3274, 2.5879,  
1.9115

 156.6221,  
123.0719, 120.9878

 3.0877, 0.9206,  
0.5001

193.4794,  
155.2260, 153.7815

 1.2003, 0.0000,  
0.0000

235.7079,

 0.1066, 0.0000,

192.5431, 192.0224

0.0000

283.6729,  
235.4073, 236.1291

■ 0.0000, 0.0000,  
0.0000

■ 40.1164, 26.2901,  
24.0792

■ 40.1164, 26.2901,  
24.0792

■ 37.3176, 22.3524,  
18.0294

■ 43.7016, 31.5059,  
31.3001

■ 35.2401, 19.5767,  
13.0842

■ 48.1270, 38.0942,  
39.7503

■ 33.8110, 17.8332,  
9.1719

■ 53.4440, 46.1451,  
49.4858

■ 32.9278, 16.9332,  
6.2059

■ 59.6990, 55.7399,  
60.5584

■ 32.8103, 16.8201,  
5.7911

■ 66.9355, 66.9540,  
73.0171

■ 75.1938, 79.8575,  
86.9085

■ 84.5121, 94.5168,  
102.2766

■ 85.8049, 95.2340,  
108.4673

# Harmonies

## Analogous

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



38.9262, 26.2901, 45.2787



40.1164, 26.2901, 24.0792



36.7123, 26.2901, 11.4978

# Triad

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



40.1164, 26.2901, 24.0792



17.9221, 26.2901, 8.1528



20.3559, 26.2901, 78.2257

# Complementary

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



40.1164, 26.2901, 24.0792



42.0899, 61.7706, 60.1608

# 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.



16.0704, 26.2901, 57.5587



40.1164, 26.2901, 24.0792



14.8511, 26.2901, 16.6565

# Square

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



40.1164, 26.2901, 24.0792



23.3455, 26.2901, 5.3763



14.2399, 26.2901, 33.7107



26.7056, 26.2901, 83.2373



# Rectangle

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



40.1164, 26.2901, 24.0792



32.6017, 26.2901, 7.3866



14.2399, 26.2901, 33.7107



18.6627, 26.2901, 72.5404

# Sweetspot

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



40.1171, 26.2915, 24.0797



78.0230, 73.5029, 79.9270



39.9705, 25.0637, 76.1298



16.3231, 15.1511, 16.4503



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.



40.1171, 26.2915, 24.0797



47.4635, 27.9398, 21.7838



41.5267, 32.2521, 14.8649



14.5319, 14.4299, 15.7354



18.9875, 9.7292, 3.5630



1.4406, 0.7340, 0.4608



# Inverse Universe

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



40.1171, 26.2915, 24.0797



47.4635, 27.9398, 21.7838



38.6828, 47.9529, 80.6158



14.5319, 14.4299, 15.7354



18.9875, 9.7292, 3.5630



1.4406, 0.7340, 0.4608



# Previews

## White Background



This preview shows how the XYZ color 40.1164, 26.2901, 24.0792 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

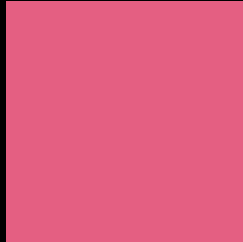
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.1164, 26.2901, 24.0792 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

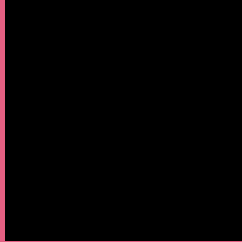
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 40.1164, 26.2901, 24.0792**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.1164, 26.2901, 24.0792.



This preview shows how white text looks on a background with the XYZ color 40.1164, 26.2901,



# 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

40.1164, 26.2901, 24.0792

### Protanopia

25.9419, 26.6117, 34.7796

### Deuteranopia

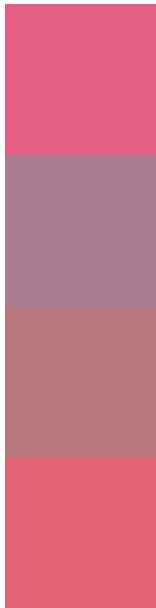
26.7993, 26.2568, 22.7244



## Tritanopia

38.5227, 26.3237, 16.6863

# Trichromacy



## Original Color

40.1164, 26.2901, 24.0792

## Protanomaly

29.1905, 25.1486, 30.5098

## Deuteranomaly

30.4899, 25.2536, 23.0061

## Tritanomaly

39.1407, 26.3041, 19.2339

# Monochromacy



## Original Color

40.1164, 26.2901, 24.0792

## Achromatopsia

24.5403, 25.8183, 28.1161

## Achromatomaly

28.3215, 24.6014, 26.5484

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.1164, 26.2901, 24.0792 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(228, 95, 130)` looks like.

```
.text, #text, p{  
    color:rgb(228, 95, 130)  
}
```

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(228, 95, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 95, 130) }
```

## Border

The CSS property to change the border of an element to XYZ 40.1164, 26.2901, 24.0792 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(228, 95, 130) }
```



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

```
.border{ border-color:rgb(228, 95, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 95, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 95, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 95, 130);  
box-shadow:4px 4px 4px 4px rgb(228, 95,  
130) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.1164, 26.2901, 24.0792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 95, 130) }
```

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

```
.background{ background-color: rgb(228, 95,  
130) }
```

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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