

# Converting Colors

XYZ(39.9024, 24.6993, 30.6288)

Have a look what the booklet for  
XYZ(39.9024, 24.6993, 30.6288)  
contains.

<b>XYZ(39.8797, 24.6475, 30.6725)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(39.8797, 24.6475,  
30.6725)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E25494
RGB	226, 84, 148
RGB Percent	89%, 33%, 58%
CMY	0.1137, 0.6706, 0.4196
CMYK	0.00, 0.63, 0.35, 0.11
HSL	333°, 71%, 61%
HSV	333°, 63%, 89%
XYZ	39.8797, 24.6475, 30.6725
YIQ	133.7540, 64.0880, 50.0080

# Conversions

## Conversions Part 2

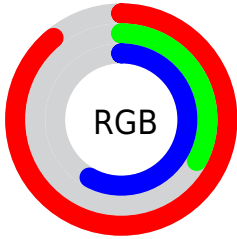
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 84, 148
Decimal	14832788
CIE Lab	56.73, 60.83, -5.71
CIE LCh	57, 61.093, 354.637
Yxy	24.6475, 0.4189, 0.2589
Android (android.graphics.Color)	4293022868 (0xFFE25494)
YUV	133.7540, 7.0233, 80.8997
Hunter-Lab	49.6462, 56.5040, -1.8782

# Details

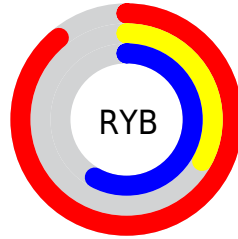
The XYZ color **39.8797, 24.6475, 30.6725** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **37.3756, 58.8870, 43.5824**, and the grayscale version is **22.5294, 23.7027, 25.8122**.

A 20% lighter version of the original color is **61.4255, 44.5740, 61.2433**, and **18.0688, 9.3406, 12.1599** is the 20% darker color. If you saturate the color by 10%, you get **37.4693, 21.3158, 25.2780**, and if you desaturate by 10%, it is **42.9626, 29.1552, 36.8116**.

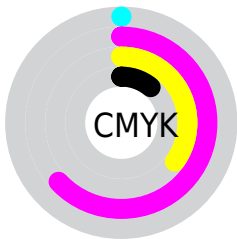
# Distribution



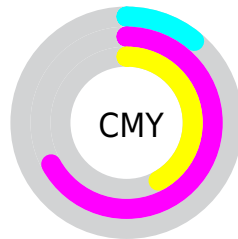
- Red (89%)
- Green (33%)
- Blue (58%)



- Red (89%)
- Yellow (33%)
- Blue (58%)



- Cyan (0%)
- Magenta (63%)
- Yellow (35%)
- Black (11%)



- Cyan (11%)
- Magenta (67%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8797, 24.6475, 30.6725 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 39.8797, 24.6475, 30.6725 by changing the saturation by 10% instead.



39.8797, 24.6475,  
30.6725

39.8797, 24.6475,  
30.6725

336.7594,  
276.0779, 319.3310

27.6286, 15.8146,  
20.0932

74.2658, 51.0848,  
61.7976

18.1849, 9.3931,  
12.2781

97.1315, 69.4580,  
83.1805

11.1833, 4.9984,  
6.8085

124.2660, 91.7801,  
109.0017

6.2585, 2.2464,  
3.2660

156.0348,  
118.4355, 139.6798

3.0450, 0.7451,  
1.2320

192.8032,  
149.8086, 175.6332

1.1776, 0.0000,  
0.0051

234.9365,

0.0886, 0.0000,

186.2837, 217.2805

0.0000

282.8001,  
228.2454, 265.0403

■ 0.0000, 0.0000,  
0.0000

■ 39.8797, 24.6475,  
30.6725

■ 39.8797, 24.6475,  
30.6725

■ 37.4693, 21.3158,  
25.2780

■ 42.9626, 29.1552,  
36.8116

■ 35.6692, 19.0416,  
20.5905

■ 46.7682, 34.9347,  
43.7271

■ 34.4084, 17.6879,  
16.5693

■ 51.3440, 42.0761,  
51.4499


■ 33.7551, 17.1252,  
14.0586


■ 56.7329, 50.6603,  
60.0086

■ 62.9743, 60.7618,  
69.4303

 70.1050, 72.4498,  
79.7406

 78.1597, 85.7896,  
90.9638

 83.9618, 94.4239,  
102.0538

 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.



36.4650, 24.6475, 56.5409



39.8797, 24.6475, 30.6725



38.2114, 24.6475, 13.5816

# Triad

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



39.8797, 24.6475, 30.6725



18.1685, 24.6475, 4.6415



16.3605, 24.6475, 73.2168

# Complementary

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



39.8797, 24.6475, 30.6725



37.3756, 58.8870, 43.5824

# 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.



13.0525, 24.6475, 46.7342



39.8797, 24.6475, 30.6725



13.9385, 24.6475, 9.9350

# Square

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



39.8797, 24.6475, 30.6725



24.7303, 24.6475, 3.6643



12.2652, 24.6475, 23.3352



22.1698, 24.6475, 87.8957



# Rectangle

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



39.8797, 24.6475, 30.6725



34.5864, 24.6475, 7.6348



12.2652, 24.6475, 23.3352



14.9699, 24.6475, 64.9070

# Sweetspot

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



39.8804, 24.6488, 30.6729



77.5011, 71.2908, 83.3553



31.3431, 19.2794, 74.0211



16.1020, 14.4750, 17.0974



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.



39.8804, 24.6488, 30.6729



48.5597, 27.0988, 31.5008



36.5155, 23.9107, 11.0798



13.9627, 13.8027, 15.5739



19.3153, 9.7931, 8.3261



1.3835, 0.6967, 0.8123



# Inverse Universe

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



39.8804, 24.6488, 30.6729



48.5597, 27.0988, 31.5008



43.3114, 59.2303, 81.1016



13.9627, 13.8027, 15.5739



19.3153, 9.7931, 8.3261



1.3835, 0.6967, 0.8123



# Previews

## White Background



This preview shows how the XYZ color 39.8797, 24.6475, 30.6725 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

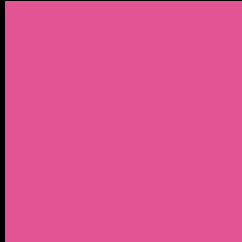
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.8797, 24.6475, 30.6725 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

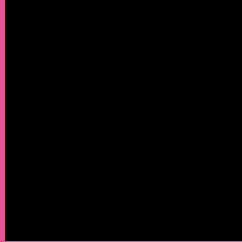
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 39.8797, 24.6475, 30.6725**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.8797, 24.6475, 30.6725.



This preview shows how white text looks on a background with the XYZ color 39.8797, 24.6475,

30.6725.

# 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

39.8797, 24.6475, 30.6725

### Protanopia

25.3166, 24.9492, 47.1974

### Deuteranopia

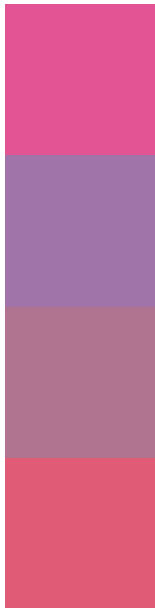
25.2717, 24.7215, 28.6391



## Tritanopia

36.5654, 24.6536, 15.1433

# Trichromacy



## Original Color

39.8797, 24.6475, 30.6725

## Protanomaly

28.1048, 22.9324, 40.4812

## Deuteranomaly

29.0693, 23.5052, 29.3904

## Tritanomaly

37.4425, 24.4782, 19.8909

# Monochromacy



## Original Color

39.8797, 24.6475, 30.6725

## Achromatopsia

22.6597, 23.8398, 25.9615

## Achromatomaly

26.8419, 22.5704, 27.3679

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.8797, 24.6475, 30.6725 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, 84, 148)` looks like.

```
.text, #text, p{  
    color:rgb(226, 84, 148)  
}
```

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, 84, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 84, 148) }
```

## Border

The CSS property to change the border of an element to XYZ 39.8797, 24.6475, 30.6725 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, 84, 148) }
```



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

```
.border{ border-color:rgb(226, 84, 148) }
```

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

Here you see how a box with a 4 pixel rgb(226, 84, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 84, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 84, 148);  
box-shadow:4px 4px 4px 4px rgb(226, 84,  
148) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.8797, 24.6475, 30.6725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 84, 148) }
```

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

```
.background{ background-color: rgb(226, 84,  
148) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor