

# Converting Colors

XYZ(37.6967, 23.8760, 21.2925)

Have a look what the booklet for  
XYZ(37.6967, 23.8760, 21.2925)  
contains.

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# Color

**XYZ(37.5641, 23.7744,  
21.3480)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E0557B
RGB	224, 85, 123
RGB Percent	88%, 33%, 48%
CMY	0.1216, 0.6666, 0.5176
CMYK	0.00, 0.62, 0.45, 0.12
HSL	344°, 69%, 61%
HSV	344°, 62%, 88%
XYZ	37.5641, 23.7744, 21.3480
YIQ	130.8930, 70.6460, 41.2860

# Conversions

## Conversions Part 2

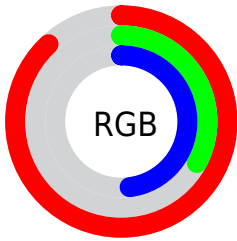
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 85, 123
Decimal	14701947
CIE <sub>Lab</sub>	55.86, 57.18, 7.71
CIE <sub>LCh</sub>	56, 57.699, 7.679
Yxy	23.7744, 0.4543, 0.2875
Android (android.graphics.Color)	4292892027 (0xFFE0557B)
YUV	130.8930, -3.8912, 81.6548
Hunter-Lab	48.7590, 52.1888, 8.1725

# Details

The XYZ color **37.5641, 23.7744, 21.3480** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **39.2664, 58.7883, 55.7364**, and the grayscale version is **21.5321, 22.6535, 24.6696**.

A 20% lighter version of the original color is **58.5027, 43.4049, 45.8520**, and **16.8480, 8.9368, 7.4936** is the 20% darker color. If you saturate the color by 10%, you get **35.1356, 20.4148, 15.9224**, and if you desaturate by 10%, it is **40.7213, 28.3203, 27.8528**.

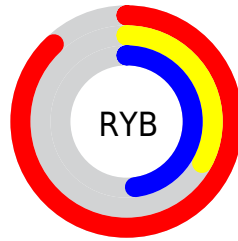
# Distribution



Red (88%)

Green (33%)

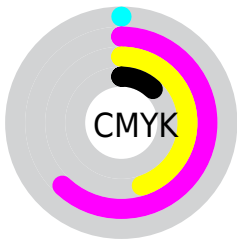
Blue (48%)



Red (88%)

Yellow (33%)

Blue (48%)

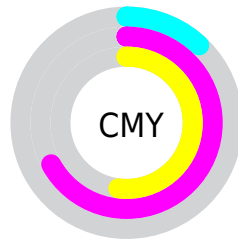


Cyan (0%)

Magenta (62%)

Yellow (45%)

Black (12%)



Cyan (12%)

Magenta (67%)

Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5641, 23.7744, 21.3480 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 37.5641, 23.7744, 21.3480 by changing the saturation by 10% instead.



 37.5641, 23.7744,  
21.3480


 37.5641, 23.7744,  
21.3480


327.0596,  
271.6779, 271.9637


 25.8202, 15.1664,  
13.1849


 70.7477, 49.6618,  
46.5543


 16.8212, 8.9362,  
7.4238


 92.9182, 67.7100,  
64.4345

 10.2016, 4.6996,  
3.6461


 119.2949, 89.6736,  
86.3909

 5.5961, 2.0721,  
1.4333

 150.2433,  
115.9371, 112.8420

 2.6394, 0.6489,  
0.1675

186.1285,  
146.8849, 144.2062

 0.9661, 0.0000,  
0.0000

227.3161,

 0.0000, 0.0000,

182.9014, 180.9023

0.0000

274.1714,  
224.3709, 223.3486

■ 37.5641, 23.7744,  
21.3480

■ 37.5641, 23.7744,  
21.3480

■ 35.1356, 20.4148,  
15.9224

■ 40.7213, 28.3203,  
27.8528

■ 33.3707, 18.1247,  
11.5124

■ 44.6607, 34.1469,  
35.4924

■ 32.1953, 16.7704,  
8.0486

■ 49.4327, 41.3436,  
44.3199

■ 31.5888, 16.1866,  
5.9066

■ 55.0831, 49.9906,  
54.3847

■ 61.6540, 60.1618,  
65.7329

■ 69.1849, 71.9262,  
78.4085

■ 77.7129, 85.3485,  
92.4533

■ 84.2647, 94.4730,  
106.9043

■ 84.5503, 94.5872,  
108.4086

# Harmonies

## Analogous

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



36.4073, 23.7744, 42.1942



37.5641, 23.7744, 21.3480



34.1371, 23.7744, 9.4758

# Triad

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



37.5641, 23.7744, 21.3480



15.7236, 23.7744, 6.5168



18.1322, 23.7744, 75.8248

# Complementary

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



37.5641, 23.7744, 21.3480



39.2664, 58.7883, 55.7364

# 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.



14.0036, 23.7744, 54.8819



37.5641, 23.7744, 21.3480



12.8124, 23.7744, 14.4371

# Square

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



37.5641, 23.7744, 21.3480



20.9510, 23.7744, 4.0418



12.2503, 23.7744, 31.0261



24.3267, 23.7744, 80.8139



# Rectangle

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



37.5641, 23.7744, 21.3480



30.0433, 23.7744, 5.7738



12.2503, 23.7744, 31.0261



16.4953, 23.7744, 70.0544

# Sweetspot

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



37.5647, 23.7757, 21.3484



76.3349, 70.8243, 77.2139



36.6194, 22.1471, 72.8655



15.8226, 14.3632, 15.6262



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.



37.5647, 23.7757, 21.3484



46.4686, 26.4967, 19.7672



38.5252, 28.7929, 12.1232



13.8604, 13.7618, 15.0350



18.4286, 9.4385, 3.6570



1.3145, 0.6691, 0.4489



# Inverse Universe

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



37.5647, 23.7757, 21.3484



46.4686, 26.4967, 19.7672



36.4678, 45.8459, 77.4478



13.8604, 13.7618, 15.0350



18.4286, 9.4385, 3.6570



1.3145, 0.6691, 0.4489



# Previews

## White Background



This preview shows how the XYZ color 37.5641, 23.7744, 21.3480 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 37.5641, 23.7744, 21.3480 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 37.5641, 23.7744, 21.3480**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.5641, 23.7744, 21.3480.



This preview shows how white text looks on a background with the XYZ color 37.5641, 23.7744,



# 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

37.5641, 23.7744, 21.3480

### Protanopia

23.4083, 23.8826, 32.2302

### Deuteranopia

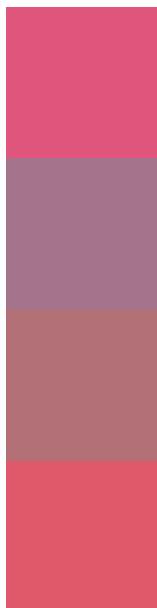
24.3291, 23.8315, 19.8407



## Tritanopia

35.8917, 23.6865, 13.7466

# Trichromacy



## Original Color

37.5641, 23.7744, 21.3480

## Protanomaly

26.4961, 22.3836, 27.7349

## Deuteranomaly

27.8253, 22.7259, 20.3727

## Tritanomaly

36.5227, 23.7080, 16.2868

# Monochromacy



## Original Color

37.5641, 23.7744, 21.3480

## Achromatopsia

21.5731, 22.6966, 24.7166

## Achromatomaly

25.4306, 21.5925, 23.2495

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.5641, 23.7744, 21.3480 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(224, 85, 123)` looks like.

```
.text, #text, p{  
    color:rgb(224, 85, 123)  
}
```

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(224, 85, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 85, 123) }
```

## Border

The CSS property to change the border of an element to XYZ 37.5641, 23.7744, 21.3480 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(224, 85, 123) }
```



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

```
.border{ border-color:rgb(224, 85, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 85, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 85, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 85, 123);  
box-shadow:4px 4px 4px 4px rgb(224, 85,  
123) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.5641, 23.7744, 21.3480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 85, 123) }
```

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

```
.background{ background-color: rgb(224, 85,  
123) }
```

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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