

# Converting Colors

XYZ(37.6832, 22.6589, 21.0458)

Have a look what the booklet for  
XYZ(37.6832, 22.6589, 21.0458)  
contains.

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# Color

**XYZ(37.7025, 22.6585,  
21.1253)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E34A7B
RGB	227, 74, 123
RGB Percent	89%, 29%, 48%
CMY	0.1098, 0.7098, 0.5176
CMYK	0.00, 0.67, 0.46, 0.11
HSL	341°, 73%, 59%
HSV	341°, 67%, 89%
XYZ	37.7025, 22.6585, 21.1253
YIQ	125.3330, 75.4590, 47.6750

# Conversions

## Conversions Part 2

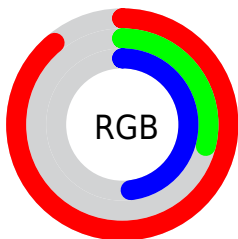
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	227, 74, 123
Decimal	14895739
CIE <sub>Lab</sub>	54.72, 62.56, 6.15
CIE <sub>LCh</sub>	55, 62.857, 5.611
Yxy	22.6585, 0.4627, 0.2781
Android (android.graphics.Color)	4293085819 (0xFFE34A7B)
YUV	125.3330, -1.1502, 89.1620
Hunter-Lab	47.6009, 58.0799, 7.0078

# Details

The XYZ color **37.7025, 22.6585, 21.1253** 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 **38.3305, 59.6090, 51.6095**, and the grayscale version is **19.5923, 20.6127, 22.4472**.

A 20% lighter version of the original color is **57.2291, 40.8577, 45.4275**, and **16.9959, 8.6150, 7.4237** is the 20% darker color. If you saturate the color by 10%, you get **35.5598, 19.7992, 16.0150**, and if you desaturate by 10%, it is **40.5451, 26.6741, 27.2205**.

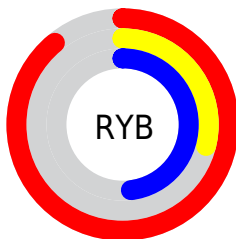
# Distribution



Red (89%)

Green (29%)

Blue (48%)



Red (89%)

Yellow (29%)

Blue (48%)

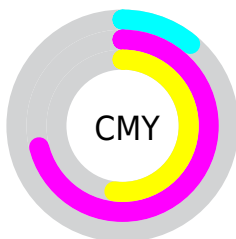


Cyan (0%)

Magenta (67%)

Yellow (46%)

Black (11%)



Cyan (11%)

Magenta (71%)


Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7025, 22.6585, 21.1253 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 37.7025, 22.6585, 21.1253 by changing the saturation by 10% instead.





 37.7025, 22.6585,  
21.1253


 37.7025, 22.6585,  
21.1253

327.6450,  
265.9661, 270.7465


 25.9280, 14.3416,  
13.0235


 70.9588, 47.8320,  
46.1795


 16.9022, 8.3586,  
7.3138


 93.1713, 65.4573,  
63.9689


 10.2597, 4.3253,  
3.5777


 119.5938, 86.9542,  
85.8246

 5.6350, 1.8571,  
1.3967

 150.5918,  
112.7070, 112.1652

 2.6630, 0.5224,  
0.1391

 186.5306,  
143.1003, 143.4091

 0.9782, 0.0000,  
0.0000

227.7755,

 0.0000, 0.0000,

178.5183, 179.9750

0.0000

274.6918,  
219.3454, 222.2813

■ 37.7025, 22.6585,  
21.1253

■ 37.7025, 22.6585,  
21.1253

■ 35.5598, 19.7992,  
16.0150

■ 40.5451, 26.6741,  
27.2205

■ 34.0462, 17.9657,  
11.8303

■ 44.1454, 31.9507,  
34.3522


■ 33.0719, 16.9909,  
8.5037


■ 48.5568, 38.5850,  
42.5691


■ 32.8709, 16.8078,  
7.7615

■ 53.8271, 46.6635,  
51.9164

■ 60.0005, 56.2654,  
62.4366

 67.1180, 67.4639,  
74.1698

 75.2179, 80.3278,  
87.1542

 84.1419, 94.5322,  
101.3614

 85.4885, 95.0709,  
108.4525

# Harmonies

## Analogous

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



36.0918, 22.6585, 44.0187



37.7025, 22.6585, 21.1253



34.2849, 22.6585, 8.4557

# Triad

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



37.7025, 22.6585, 21.1253



14.6727, 22.6585, 4.8358



16.4900, 22.6585, 78.2923

# Complementary

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



37.7025, 22.6585, 21.1253



38.3305, 59.6090, 51.6095

# 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.



12.4192, 22.6585, 54.2254



37.7025, 22.6585, 21.1253



11.5384, 22.6585, 12.0317

# Square

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



37.7025, 22.6585, 21.1253



20.2596, 22.6585, 2.8486



10.8120, 22.6585, 28.5933



22.8654, 22.6585, 85.4583



# Rectangle

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



37.7025, 22.6585, 21.1253



29.9715, 22.6585, 4.6799



10.8120, 22.6585, 28.5933



14.8538, 22.6585, 71.4534

# Sweetspot

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



37.7031, 22.6598, 21.1257



75.7951, 69.6306, 77.3857



34.2197, 19.6753, 74.6671



15.7305, 14.1366, 15.7266



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.



37.7031, 22.6598, 21.1257



45.3865, 24.6393, 18.4607



37.4250, 25.8456, 9.4964



14.5662, 14.4437, 15.9162



19.2176, 9.8212, 4.7747



1.4613, 0.7422, 0.5695



# Inverse Universe

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



37.7031, 22.6598, 21.1257



45.3865, 24.6393, 18.4607



37.6936, 49.0097, 80.1461



14.5662, 14.4437, 15.9162



19.2176, 9.8212, 4.7747



1.4613, 0.7422, 0.5695



# Previews

## White Background



This preview shows how the XYZ color 37.7025, 22.6585, 21.1253 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

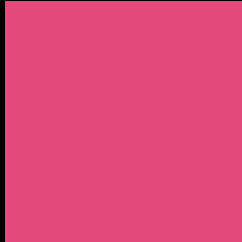
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.7025, 22.6585, 21.1253 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 37.7025, 22.6585, 21.1253**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.7025, 22.6585, 21.1253.



This preview shows how white text looks on a background with the XYZ color 37.7025, 22.6585,



# 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

37.7025, 22.6585, 21.1253

### Protanopia

22.5032, 22.7674, 34.2189

### Deuteranopia

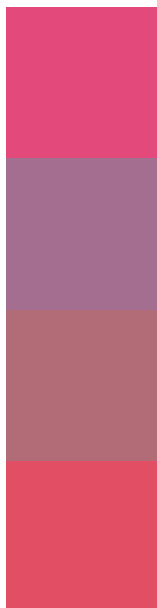
23.3194, 22.9237, 19.7187



## Tritanopia

35.7889, 22.7303, 11.5179

# Trichromacy



## Original Color

37.7025, 22.6585, 21.1253

## Protanomaly

25.6381, 20.9216, 28.6736

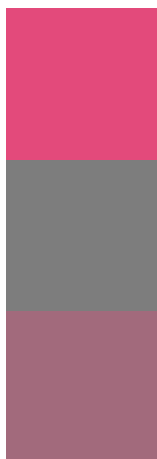
## Deuteranomaly

27.0524, 21.5220, 20.1811

## Tritanomaly

36.4603, 22.6808, 14.5128

# Monochromacy



## Original Color

37.7025, 22.6585, 21.1253

## Achromatopsia

19.4927, 20.5079, 22.3331

## Achromatomaly

23.6924, 19.4447, 21.5733

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.7025, 22.6585, 21.1253 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(227, 74, 123)` looks like.

```
.text, #text, p{  
    color:rgb(227, 74, 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(227, 74, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 74, 123) }
```

## Border

The CSS property to change the border of an element to XYZ 37.7025, 22.6585, 21.1253 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(227, 74, 123) }
```



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

```
.border{ border-color:rgb(227, 74, 123) }
```

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

Here you see how a box with a 4 pixel rgb(227, 74, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 74, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 74, 123);  
box-shadow:4px 4px 4px 4px rgb(227, 74,  
123) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.7025, 22.6585, 21.1253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 74, 123) }
```

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

```
.background{ background-color: rgb(227, 74,  
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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