

Converting Colors

XYZ(37.8505, 23.7330, 21.9066)

Have a look what the booklet for
XYZ(37.8505, 23.7330, 21.9066)
contains.

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Color

**XYZ(37.8463, 23.6747,
21.9770)**

Conversions

Conversions Part 1

Format	Color
Hex	E1537D
RGB	225, 83, 125
RGB Percent	88%, 33%, 49%
CMY	0.1176, 0.6745, 0.5098
CMYK	0.00, 0.63, 0.44, 0.12
HSL	342°, 70%, 60%
HSV	342°, 63%, 88%
XYZ	37.8463, 23.6747, 21.9770
YIQ	130.2460, 71.1500, 43.1660

Conversions

Conversions Part 2

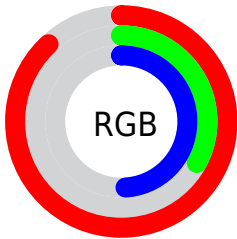
Format	Color
R_{YB}	225, 83, 125
Decimal	14766973
CIE _{Lab}	55.76, 58.53, 6.41
CIE _{LCh}	56, 58.882, 6.247
Yxy	23.6747, 0.4533, 0.2835
Android (android.graphics.Color)	4292957053 (0xFFE1537D)
YUV	130.2460, -2.5863, 83.0993
Hunter-Lab	48.6567, 53.6924, 7.2798

Details

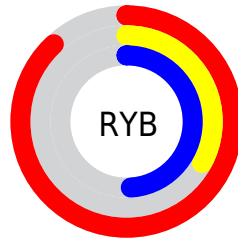
The XYZ color **37.8463, 23.6747, 21.9770** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **39.0412, 59.1090, 54.1553**, and the grayscale version is **21.2974, 22.4065, 24.4007**.

A 20% lighter version of the original color is **58.4084, 42.8996, 46.7970**, and **17.0068, 8.8917, 7.6574** is the 20% darker color. If you saturate the color by 10%, you get **35.4626, 20.4002, 16.5803**, and if you desaturate by 10%, it is **40.9511, 28.1330, 28.4113**.

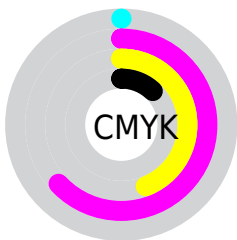
Distribution



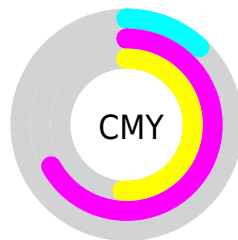
- Red (88%)
- Green (33%)
- Blue (49%)



- Red (88%)
- Yellow (33%)
- Blue (49%)



- Cyan (0%)
- Magenta (63%)
- Yellow (44%)
- Black (12%)





- Cyan (12%)
- Magenta (67%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8463, 23.6747, 21.9770 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 37.8463, 23.6747, 21.9770 by changing the saturation by 10% instead.


 37.8463, 23.6747,
21.9770


 37.8463, 23.6747,
21.9770


328.2524,
271.1717, 275.3757


 26.0401, 15.0925,
13.6418


 71.1779, 49.4988,
47.6097


 16.9865, 8.8843,
7.7361


 93.4340, 67.5095,
65.7443

 10.3201, 4.6658,
3.8412


 119.9042, 89.4319,
87.9825

 5.6756, 2.0525,
1.5386

 150.9537,
115.6502, 114.7427

 2.6876, 0.6377,
0.2465

186.9479,
146.5490, 146.4437

 0.9908, 0.0000,
0.0000

228.2522,

 0.0000, 0.0000,

182.5126, 183.5038

0.0000

275.2319,
223.9254, 226.3416

■ 37.8463, 23.6747,
21.9770

■ 37.8463, 23.6747,
21.9770

■ 35.4626, 20.4002,
16.5803

■ 40.9511, 28.1330,
28.4113

■ 33.7342, 18.1901,
12.1608

■ 44.8311, 33.8718,
35.9358

■ 32.5854, 16.9061,
8.6530

■ 49.5371, 40.9820,
44.6007

■ 32.0508, 16.4073,
6.7160

■ 55.1150, 49.5452,
54.4526

■ 61.6072, 59.6365,
65.5354

■ 69.0532, 71.3259,
77.8906

■ 77.4902, 84.6789,
91.5578

■ 84.3452, 94.5411,
105.7053

■ 84.8613, 94.7476,
108.4232

Harmonies

Analogous

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



36.4326, 23.6747, 43.6255



37.8463, 23.6747, 21.9770



34.5384, 23.6747, 9.5660

Triad

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



37.8463, 23.6747, 21.9770



15.7271, 23.6747, 6.0310



17.7126, 23.6747, 76.2672

Complementary

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



37.8463, 23.6747, 21.9770



39.0412, 59.1090, 54.1553

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.



13.6479, 23.6747, 54.2356



37.8463, 23.6747, 21.9770



12.6704, 23.6747, 13.6135

Square

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



37.8463, 23.6747, 21.9770



21.1326, 23.6747, 3.7712



11.9926, 23.6747, 29.9932



23.9295, 23.6747, 82.3996

Rectangle

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



37.8463, 23.6747, 21.9770



30.4240, 23.6747, 5.6889



11.9926, 23.6747, 29.9932



16.0906, 23.6747, 70.0823

Sweetspot

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



37.8469, 23.6760, 21.9774



76.4789, 70.8819, 77.9725



36.0711, 21.6181, 73.5057



15.8570, 14.3770, 15.8072



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.



37.8469, 23.6760, 21.9774



46.2201, 25.9391, 19.8709



38.3419, 28.0900, 11.5863



13.8732, 13.7669, 15.1023



18.5138, 9.4725, 4.1056



1.3218, 0.6720, 0.4873

Inverse Universe

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



37.8469, 23.6760, 21.9774



46.2201, 25.9391, 19.8709



37.0345, 47.0274, 78.3595



13.8732, 13.7669, 15.1023



18.5138, 9.4725, 4.1056



1.3218, 0.6720, 0.4873

Previews

White Background



This preview shows how the XYZ color 37.8463, 23.6747, 21.9770 looks on a white background.

Color Contrast Check

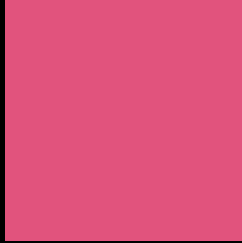
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.8463, 23.6747, 21.9770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

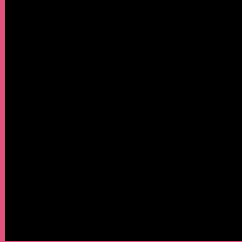
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.8463, 23.6747, 21.9770

Background



This preview shows how black text looks on a background with the XYZ color 37.8463, 23.6747, 21.9770.



This preview shows how white text looks on a background with the XYZ color 37.8463, 23.6747,

21.9770.

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

37.8463, 23.6747, 21.9770

Protanopia

23.5803, 23.9334, 33.9486

Deuteranopia

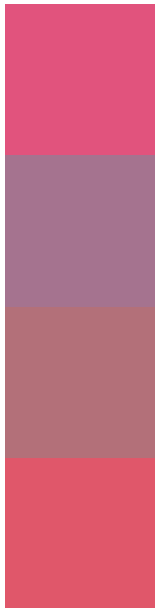
24.2571, 23.7808, 20.4512



Tritanopia

36.0694, 23.6590, 13.4920

Trichromacy



Original Color

37.8463, 23.6747, 21.9770

Protanomaly

26.6057, 22.2440, 28.8778

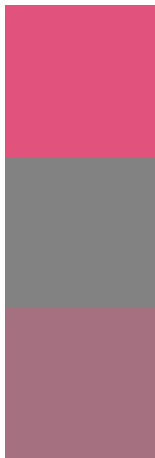
Deuteranomaly

27.8358, 22.5525, 20.9751

Tritanomaly

36.7502, 23.7043, 16.2741

Monochromacy



Original Color

37.8463, 23.6747, 21.9770

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

25.3185, 21.3681, 23.2121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8463, 23.6747, 21.9770 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(225, 83, 125)` looks like.

```
.text, #text, p{  
    color:rgb(225, 83, 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(225, 83, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 83, 125) }
```

Border

The CSS property to change the border of an element to XYZ 37.8463, 23.6747, 21.9770 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(225, 83, 125) }
```


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

```
.border{ border-color:rgb(225, 83, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 83, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 83, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 83, 125);  
box-shadow:4px 4px 4px 4px rgb(225, 83,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8463, 23.6747, 21.9770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 83, 125) }
```

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

```
.background{ background-color: rgb(225, 83,  
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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