

Converting Colors

XYZ(37.5764, 22.6956, 17.5367)

Have a look what the booklet for
XYZ(37.5764, 22.6956, 17.5367)
contains.

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Color

**XYZ(37.6311, 22.7033,
17.4377)**

Conversions

Conversions Part 1

Format	Color
Hex	E54A6F
RGB	229, 74, 111
RGB Percent	90%, 29%, 44%
CMY	0.1020, 0.7098, 0.5647
CMYK	0.00, 0.68, 0.52, 0.10
HSL	346°, 75%, 59%
HSV	346°, 68%, 90%
XYZ	37.6311, 22.7033, 17.4377
YIQ	124.5630, 80.5030, 44.3670

Conversions

Conversions Part 2

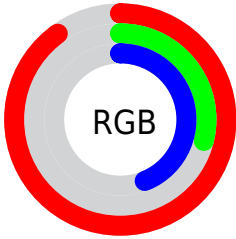
Format	Color
R_{YB}	229, 74, 111
Decimal	15026799
CIE Lab	54.77, 62.12, 13.40
CIE LCh	55, 63.552, 12.171
Yxy	22.7033, 0.4839, 0.2919
Android (android.graphics.Color)	4293216879 (0xFFE54A6F)
YUV	124.5630, -6.6866, 91.5912
Hunter-Lab	47.6480, 57.5906, 11.6553

Details

The XYZ color **37.6311, 22.7033, 17.4377** 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 **40.3595, 61.3008, 59.5797**, and the grayscale version is **19.3504, 20.3581, 22.1699**.

A 20% lighter version of the original color is **55.8779, 40.1012, 38.9776**, and **17.0739, 8.6950, 5.6289** is the 20% darker color. If you saturate the color by 10%, you get **35.5025, 19.8356, 12.4453**, and if you desaturate by 10%, it is **40.5043, 26.7607, 23.6031**.

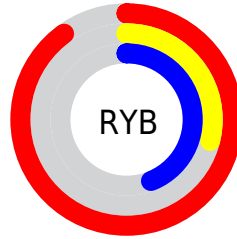
Distribution



Red (90%)

Green (29%)

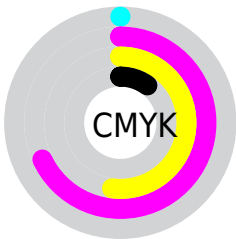
Blue (44%)



Red (90%)

Yellow (29%)

Blue (44%)

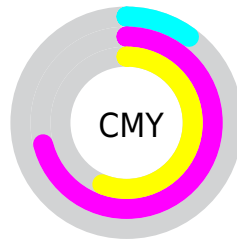


Cyan (0%)

Magenta (68%)

Yellow (52%)

Black (10%)



Cyan (10%)


Magenta (71%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.6311, 22.7033, 17.4377 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 37.6311, 22.7033, 17.4377 by changing the saturation by 10% instead.

 37.6311, 22.7033,
17.4377


 37.6311, 22.7033,
17.4377

327.3431,
266.1974, 249.8110


 25.8724, 14.3746,
10.3818


 70.8499, 47.9057,
39.8777


 16.8604, 8.3817,
5.5439


 93.0407, 65.5481,
56.0989


 10.2297, 4.3401,
2.5055


 119.4397, 87.0640,
76.2123

 5.6149, 1.8656,
0.8431

 150.4120,
112.8375, 100.6365

 2.6508, 0.5276,
0.0000

 186.3232,
143.2533, 129.7898

 0.9719, 0.0000,
0.0000

227.5385,

 0.0000, 0.0000,

178.6956, 164.0910

0.0000

274.4234,
219.5488, 203.9586

■ 37.6311, 22.7033,
17.4377

■ 37.6311, 22.7033,
17.4377

■ 35.5025, 19.8356,
12.4453

■ 40.5043, 26.7607,
23.6031

■ 34.0423, 18.0221,
8.5458

■ 44.1848, 32.1165,
31.0113


■ 33.1522, 17.0858,
5.6471


■ 48.7301, 38.8712,
39.7280


■ 32.9943, 16.9305,
5.1000


■ 54.1921, 47.1143,
49.8134

■ 60.6184, 56.9279,
61.3242

 68.0532, 68.3881,
74.3138

 76.5381, 81.5658,
88.8325

 85.4032, 95.1100,
104.6921

 86.1229, 95.3979,
108.4822

Harmonies

Analogous

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



37.1340, 22.7033, 38.5337



37.6311, 22.7033, 17.4377



33.1984, 22.7033, 6.7985

Triad

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



37.6311, 22.7033, 17.4377



13.7313, 22.7033, 5.7208



17.7069, 22.7033, 82.7413

Complementary

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



37.6311, 22.7033, 17.4377



40.3595, 61.3008, 59.5797

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.



13.0465, 22.7033, 60.7783



37.6311, 22.7033, 17.4377



11.1171, 22.7033, 14.6788

Square

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



37.6311, 22.7033, 17.4377



18.8583, 22.7033, 2.9231



10.8971, 22.7033, 33.7910



24.5492, 22.7033, 84.9693

Rectangle

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



37.6311, 22.7033, 17.4377



28.5077, 22.7033, 3.8788



10.8971, 22.7033, 33.7910



15.8748, 22.7033, 77.0323

Sweetspot

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



37.6317, 22.7046, 17.4381



75.2498, 69.4125, 74.5141



37.8905, 21.5357, 76.2881



15.6015, 14.0850, 15.0472



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.



37.6317, 22.7046, 17.4381



44.5081, 24.2879, 13.8347



39.4274, 28.9087, 9.9823



14.5173, 14.4241, 15.6584



18.9038, 9.6957, 3.1225



1.4327, 0.7308, 0.4189

Inverse Universe

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



37.6317, 22.7046, 17.4381



44.5081, 24.2879, 13.8347



35.4358, 44.0496, 80.7631



14.5173, 14.4241, 15.6584



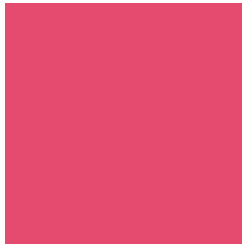
18.9038, 9.6957, 3.1225



1.4327, 0.7308, 0.4189

Previews

White Background



This preview shows how the XYZ color 37.6311, 22.7033, 17.4377 looks on a white background.

Color Contrast Check

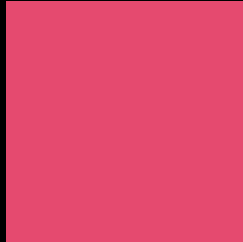
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.6311, 22.7033, 17.4377 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 37.6311, 22.7033, 17.4377

Background



This preview shows how black text looks on a background with the XYZ color 37.6311, 22.7033, 17.4377.



This preview shows how white text looks on a background with the XYZ color 37.6311, 22.7033,

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

37.6311, 22.7033, 17.4377

Protanopia

22.2841, 22.9810, 28.4606

Deuteranopia

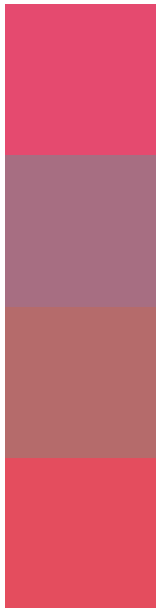
23.2860, 22.7912, 16.2685



Tritanopia

36.0748, 22.5630, 10.8412

Trichromacy



Original Color

37.6311, 22.7033, 17.4377

Protanomaly

25.5415, 20.9791, 23.8223

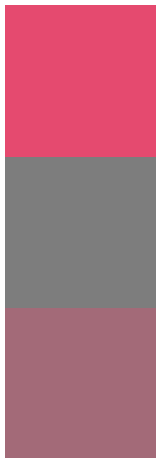
Deuteranomaly

26.9676, 21.4007, 16.6193

Tritanomaly

36.6692, 22.6099, 13.0211

Monochromacy



Original Color

37.6311, 22.7033, 17.4377

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

23.6485, 19.4507, 20.2772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6311, 22.7033, 17.4377 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(229, 74, 111)` looks like.

```
.text, #text, p{  
    color:rgb(229, 74, 111)  
}
```

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(229, 74, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 74, 111) }
```

Border

The CSS property to change the border of an element to XYZ 37.6311, 22.7033, 17.4377 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(229, 74, 111) }
```


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

```
.border{ border-color:rgb(229, 74, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 74, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 74, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 74, 111);  
box-shadow:4px 4px 4px 4px rgb(229, 74,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6311, 22.7033, 17.4377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 74, 111) }
```

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

```
.background{ background-color: rgb(229, 74,  
111) }
```

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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