

Converting Colors

XYZ(37.1322, 22.9335, 10.7139)

Have a look what the booklet for
XYZ(37.1322, 22.9335, 10.7139)
contains.

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Color

**XYZ(37.1702, 22.9212,
10.6488)**

Conversions

Conversions Part 1

Format	Color
Hex	E74D53
RGB	231, 77, 83
RGB Percent	91%, 30%, 33%
CMY	0.0941, 0.6980, 0.6745
CMYK	0.00, 0.67, 0.64, 0.09
HSL	358°, 76%, 60%
HSV	358°, 67%, 91%
XYZ	37.1702, 22.9212, 10.6488
YIQ	123.7300, 89.8580, 34.5140

Conversions

Conversions Part 2

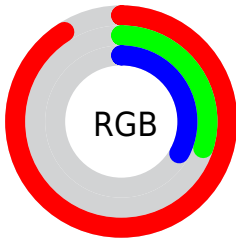
Format	Color
R_{YB}	231, 77, 83
Decimal	15158611
CIE Lab	54.99, 59.65, 30.25
CIE LCh	55, 66.879, 26.894
Yxy	22.9212, 0.5254, 0.3240
Android (android.graphics.Color)	4293348691 (0xFFE74D53)
YUV	123.7300, -20.0799, 94.0758
Hunter-Lab	47.8761, 54.8013, 20.3257

Details

The XYZ color **37.1702, 22.9212, 10.6488** is a dark color, and the websafe version is hex **FF6666**. The color can be described as dark muted red. A complement of this color would be **45.2289, 64.1664, 81.2417**, and the grayscale version is **19.1132, 20.1086, 21.8983**.

A 20% lighter version of the original color is **53.9987, 40.0036, 27.0657**, and **16.4983, 8.4648, 2.5980** is the 20% darker color. If you saturate the color by 10%, you get **35.1067, 19.9536, 6.3877**, and if you desaturate by 10%, it is **40.0827, 27.1483, 16.5467**.

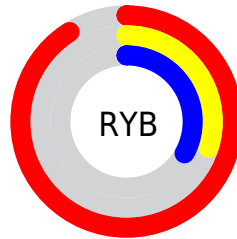
Distribution



Red (91%)

Green (30%)

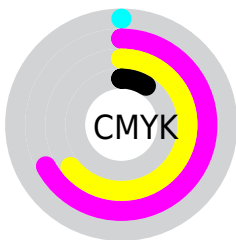
Blue (33%)



Red (91%)

Yellow (30%)

Blue (33%)

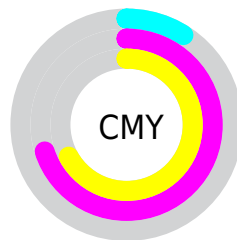


Cyan (0%)

Magenta (67%)

Yellow (64%)

Black (9%)



Cyan (9%)


Magenta (70%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1702, 22.9212, 10.6488 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 37.1702, 22.9212, 10.6488 by changing the saturation by 10% instead.


 37.1702, 22.9212,
10.6488


 37.1702, 22.9212,
10.6488

325.3896,
267.3200, 205.8922


 25.5136, 14.5353,
5.7200


 70.1466, 48.2639,
27.6355

 16.5909, 8.4939,
2.6096


 92.1971, 65.9895,
40.5306


 10.0367, 4.4126,
0.8974


 118.4429, 87.5972,
56.9181

 5.4858, 1.9069,
0.0000

 149.2495,
113.4713, 77.2167

 2.5727, 0.5525,
0.0000

 184.9820,
143.9963, 101.8448

 0.9320, 0.0000,
0.0000

226.0060,

 0.0000, 0.0000,

179.5564, 131.2211

0.0000

272.6867,
220.5362, 165.7641

■ 37.1702, 22.9212,
10.6488

■ 37.1702, 22.9212,
10.6488

■ 35.1067, 19.9536,
6.3877

■ 40.0827, 27.1483,
16.5467

■ 33.7994, 18.1027,
3.5975

■ 43.9209, 32.7497,
24.2232


■ 33.1350, 17.1948,
2.0784


■ 48.7547, 39.8315,
33.8061


■ 33.0040, 17.0085,
1.8015

■ 54.6469, 48.4885,
45.4111

■ 61.6549, 58.8077,
59.1446

 69.8324, 70.8694,
75.1056

 79.2292, 84.7490,
93.3871

 86.7648, 95.7288,
108.5123

Harmonies

Analogous

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



39.3890, 22.9212, 27.2400



37.1702, 22.9212, 10.6488



30.5564, 22.9212, 3.9803

Triad

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



37.1702, 22.9212, 10.6488



11.8772, 22.9212, 8.6178



21.0211, 22.9212, 92.1487

Complementary

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



37.1702, 22.9212, 10.6488



45.2289, 64.1664, 81.2417

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.



14.8781, 22.9212, 77.3043



37.1702, 22.9212, 10.6488



10.4087, 22.9212, 22.8058

Square

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



37.1702, 22.9212, 10.6488



15.9421, 22.9212, 3.3633



11.3681, 22.9212, 48.4135



28.9074, 22.9212, 82.1105

Rectangle

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



37.1702, 22.9212, 10.6488



25.1881, 22.9212, 2.5554



11.3681, 22.9212, 48.4135



18.7047, 22.9212, 89.7676

Sweetspot

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



37.1707, 22.9225, 10.6492



73.9715, 68.9012, 67.7830



47.6022, 26.8143, 78.2676



15.3014, 13.9650, 13.4667



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.



37.1707, 22.9225, 10.6492



43.2116, 23.9428, 6.4730



44.6207, 38.1768, 12.0401



14.3996, 14.3770, 15.0387



18.5131, 9.5395, 1.0650



1.3761, 0.7082, 0.1211

Inverse Universe

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



37.1707, 22.9225, 10.6492



43.2116, 23.9428, 6.4730



30.3534, 33.0842, 80.3869



14.3996, 14.3770, 15.0387



18.5131, 9.5395, 1.0650



1.3761, 0.7082, 0.1211

Previews

White Background



This preview shows how the XYZ color 37.1702, 22.9212, 10.6488 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 37.1702, 22.9212, 10.6488 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 37.1702, 22.9212, 10.6488

Background



This preview shows how black text looks on a background with the XYZ color 37.1702, 22.9212, 10.6488.



This preview shows how white text looks on a background with the XYZ color 37.1702, 22.9212,

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

37.1702, 22.9212, 10.6488

Protanopia

21.6163, 23.0979, 16.6836

Deuteranopia

23.4288, 23.0068, 9.8625



Tritanopia

37.1319, 22.9059, 10.4469

Trichromacy



Original Color

37.1702, 22.9212, 10.6488

Protanomaly

25.1854, 21.3356, 14.1000

Deuteranomaly

26.9874, 21.7143, 9.9766

Tritanomaly

37.1319, 22.9059, 10.4469

Monochromacy



Original Color

37.1702, 22.9212, 10.6488

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

23.1223, 19.4060, 16.9951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1702, 22.9212, 10.6488 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(231, 77, 83)` looks like.

```
.text, #text, p{  
    color:rgb(231, 77, 83)  
}
```

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(231, 77, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 77, 83) }
```

Border

The CSS property to change the border of an element to XYZ 37.1702, 22.9212, 10.6488 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(231, 77, 83) }
```


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

```
.border{ border-color:rgb(231, 77, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 77, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 77, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 77, 83);  
box-shadow:4px 4px 4px 4px rgb(231, 77,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1702, 22.9212, 10.6488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 77, 83) }
```

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

```
.background{ background-color: rgb(231, 77,  
83) }
```

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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