

Converting Colors

XYZ(37.8195, 22.7077, 9.6012)

Have a look what the booklet for
XYZ(37.8195, 22.7077, 9.6012)
contains.

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Color

**XYZ(37.8893, 22.7187,
9.5959)**

Conversions

Conversions Part 1

Format	Color
Hex	EB474E
RGB	235, 71, 78
RGB Percent	92%, 28%, 31%
CMY	0.0784, 0.7215, 0.6941
CMYK	0.00, 0.70, 0.67, 0.08
HSL	357°, 80%, 60%
HSV	357°, 70%, 92%
XYZ	37.8893, 22.7187, 9.5959
YIQ	120.8340, 95.4970, 36.9450

Conversions

Conversions Part 2

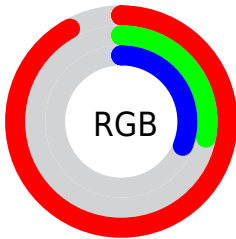
Format	Color
R_{YB}	235, 71, 78
Decimal	15419214
CIE _{Lab}	54.78, 62.89, 33.03
CIE _{LCh}	55, 71.040, 27.710
Yxy	22.7187, 0.5397, 0.3236
Android (android.graphics.Color)	4293609294 (0xFFEB474E)
YUV	120.8340, -21.1172, 100.1236
Hunter-Lab	47.6641, 58.4814, 21.4284

Details

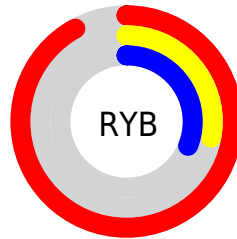
The XYZ color **37.8893, 22.7187, 9.5959** is a dark color, and the websafe version is hex **FF6666**. The color can be described as dark muted red. A complement of this color would be **46.3124, 66.3582, 83.7735**, and the grayscale version is **18.1661, 19.1122, 20.8132**.

A 20% lighter version of the original color is **52.9210, 38.4928, 24.7193**, and **17.3020, 8.8861, 2.3167** is the 20% darker color. If you saturate the color by 10%, you get **35.9995, 20.0169, 5.6442**, and if you desaturate by 10%, it is **40.6335, 26.6885, 15.1934**.

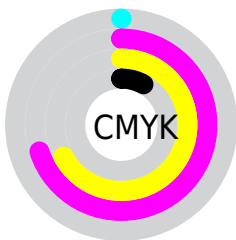
Distribution



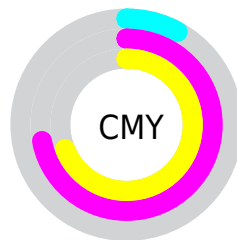
- Red (92%)
- Green (28%)
- Blue (31%)



- Red (92%)
- Yellow (28%)
- Blue (31%)



- Cyan (0%)
- Magenta (70%)
- Yellow (67%)
- Black (8%)





- Cyan (8%)
- Magenta (72%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8893, 22.7187, 9.5959 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 37.8893, 22.7187, 9.5959 by changing the saturation by 10% instead.

 37.8893, 22.7187,
9.5959


 37.8893, 22.7187,
9.5959


328.4339,
266.2769, 198.1420


 26.0736, 14.3859,
5.0298


 71.2434, 47.9310,
25.6284


 17.0117, 8.3896,
2.2057


 93.5126, 65.5794,
37.9319

 10.3382, 4.3452,
0.6777


 119.9969, 87.1017,
53.6516

 5.6877, 1.8685,
0.0000

 151.0618,
112.8824, 73.2060

 2.6950, 0.5293,
0.0000

 187.0726,
143.3059, 97.0137

 0.9946, 0.0000,
0.0000

228.3946,

 0.0000, 0.0000,

178.7565, 125.4933

0.0000

275.3933,
219.6187, 159.0632

■ 37.8893, 22.7187,
9.5959

■ 37.8893, 22.7187,
9.5959

■ 35.9995, 20.0169,
5.6442

■ 40.6335, 26.6885,
15.1934

■ 34.8621, 18.4256,
3.1582

■ 44.3154, 32.0515,
22.5889


■ 34.3238, 17.6962,
1.9084


■ 49.0103, 38.9225,
31.9186


■ 34.3156, 17.6840,
1.8923

■ 54.7851, 47.4032,
43.3051

■ 61.7015, 57.5865,
56.8611

 69.8160, 69.5581,
72.6910

 79.1817, 83.3981,
90.8923

 88.0707, 96.4020,
108.5734

Harmonies

Analogous

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



40.4439, 22.7187, 26.5030



37.8893, 22.7187, 9.5959



30.6951, 22.7187, 3.2410

Triad

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



37.8893, 22.7187, 9.5959



11.1874, 22.7187, 8.0922



20.9964, 22.7187, 97.8762

Complementary

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



37.8893, 22.7187, 9.5959



46.3124, 66.3582, 83.7735

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.



14.4964, 22.7187, 82.1743



37.8893, 22.7187, 9.5959



9.7563, 22.7187, 23.0509

Square

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



37.8893, 22.7187, 9.5959



15.3114, 22.7187, 2.8159



10.8032, 22.7187, 50.7527



29.3944, 22.7187, 86.0767

Rectangle

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



37.8893, 22.7187, 9.5959



24.9658, 22.7187, 1.9836



10.8032, 22.7187, 50.7527



18.5393, 22.7187, 95.5054

Sweetspot

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



37.8898, 22.7200, 9.5963



73.0987, 67.5902, 66.1521



48.8647, 26.8044, 81.1950



15.1327, 13.7107, 13.1541



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.



37.8898, 22.7200, 9.5963



42.6002, 23.0618, 5.2157



45.4942, 38.3086, 10.9597



15.0915, 15.0644, 15.7671



19.1101, 9.8467, 1.1150



1.5098, 0.7769, 0.1359

Inverse Universe

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



37.8898, 22.7200, 9.5963



42.6002, 23.0618, 5.2157



30.3753, 32.8995, 83.3460



15.0915, 15.0644, 15.7671



19.1101, 9.8467, 1.1150



1.5098, 0.7769, 0.1359

Previews

White Background



This preview shows how the XYZ color 37.8893, 22.7187, 9.5959 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



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 37.8893, 22.7187, 9.5959

Background



This preview shows how black text looks on a background with the XYZ color 37.8893, 22.7187, 9.5959.



This preview shows how white text looks on a background with the XYZ color 37.8893, 22.7187,

9.5959.

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

37.8893, 22.7187, 9.5959

Protanopia

21.2805, 22.7476, 15.5810

Deuteranopia

23.1057, 22.6740, 8.7889



Tritanopia

37.8483, 22.8049, 9.0636

Trichromacy



Original Color

37.8893, 22.7187, 9.5959

Protanomaly

25.1236, 20.8416, 13.0546

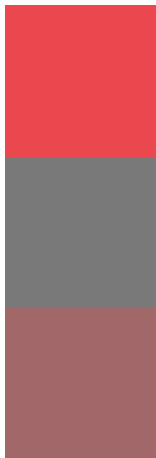
Deuteranomaly

26.9603, 21.2624, 8.8140

Tritanomaly

37.8828, 22.8187, 9.2453

Monochromacy



Original Color

37.8893, 22.7187, 9.5959

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

22.3003, 18.4018, 15.7411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8893, 22.7187, 9.5959 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(235, 71, 78)` looks like.

```
.text, #text, p{  
    color:rgb(235, 71, 78)  
}
```

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(235, 71, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 71, 78) }
```

Border

The CSS property to change the border of an element to XYZ 37.8893, 22.7187, 9.5959 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(235, 71, 78) }
```


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

```
.border{ border-color:rgb(235, 71, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 71, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 71, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 71, 78);  
box-shadow:4px 4px 4px 4px rgb(235, 71,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8893, 22.7187, 9.5959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 71, 78) }
```

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

```
.background{ background-color: rgb(235, 71,  
78) }
```

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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