

Converting Colors

XYZ(38.8904, 22.7235, 10.4348)

Have a look what the booklet for
XYZ(38.8904, 22.7235, 10.4348)
contains.

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Color

**XYZ(38.7694, 22.6981,
10.5214)**

Conversions

Conversions Part 1

Format	Color
Hex	EE4253
RGB	238, 66, 83
RGB Percent	93%, 26%, 33%
CMY	0.0667, 0.7411, 0.6745
CMYK	0.00, 0.72, 0.65, 0.07
HSL	354°, 83%, 60%
HSV	354°, 72%, 93%
XYZ	38.7694, 22.6981, 10.5214
YIQ	119.3660, 97.0550, 41.7510

Conversions

Conversions Part 2

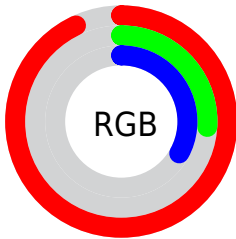
Format	Color
R_{YB}	238, 66, 83
Decimal	15614547
CIE Lab	54.76, 65.81, 30.22
CIE LCh	55, 72.420, 24.666
Yxy	22.6981, 0.5385, 0.3153
Android (android.graphics.Color)	4293804627 (0xFFEE4253)
YUV	119.3660, -17.9284, 104.0420
Hunter-Lab	47.6425, 61.8811, 20.2561

Details

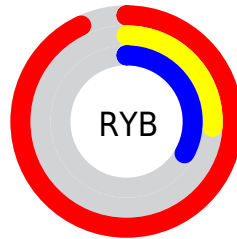
The XYZ color **38.7694, 22.6981, 10.5214** is a dark color, and the websafe version is hex **FF6666**. The color can be described as dark muted red. A complement of this color would be **45.8745, 67.5284, 79.0308**, and the grayscale version is **17.6857, 18.6067, 20.2627**.

A 20% lighter version of the original color is **52.7385, 37.5932, 26.3064**, and **18.0290, 9.2539, 2.6697** is the 20% darker color. If you saturate the color by 10%, you get **36.9524, 20.1909, 6.4428**, and if you desaturate by 10%, it is **41.4216, 26.4664, 16.1421**.

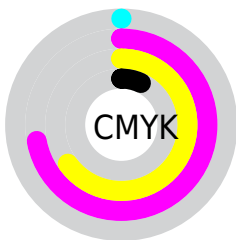
Distribution



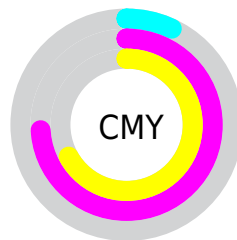
- Red (93%)
- Green (26%)
- Blue (33%)



- Red (93%)
- Yellow (26%)
- Blue (33%)



- Cyan (0%)
- Magenta (72%)
- Yellow (65%)
- Black (7%)





- Cyan (7%)
- Magenta (74%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7694, 22.6981, 10.5214 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 38.7694, 22.6981, 10.5214 by changing the saturation by 10% instead.


 38.7694, 22.6981,
10.5214


 38.7694, 22.6981,
10.5214


332.1332,
266.1706, 204.9721


 26.7603, 14.3707,
5.6359


 72.5822, 47.8971,
27.3947

 17.5289, 8.3790,
2.5598


 95.1167, 65.5376,
40.2196


 10.7100, 4.3384,
0.8716


 121.8903, 87.0512,
56.5280

 5.9380, 1.8646,
0.0000

 153.2684,
112.8224, 76.7385

 2.8477, 0.5270,
0.0000

 189.6164,
143.2355, 101.2696

 1.0738, 0.0000,
0.0000

231.2996,

 0.0030, 0.0000,

178.6750, 130.5399

0.0000

278.6834,
219.5252, 164.9679

■ 0.0000, 0.0000,
0.0000

■ 38.7694, 22.6981,
10.5214

■ 38.7694, 22.6981,
10.5214

■ 36.9524, 20.1909,
6.4428

■ 41.4216, 26.4664,
16.1421

■ 35.8674, 18.7770,
3.7505


■ 44.9927, 31.6281,
23.4379


■ 35.4194, 18.2409,
2.4916


■ 49.5578, 38.3033,
32.5283


■ 55.1840, 46.5979,
43.5220

■ 61.9323, 56.6084,
56.5186

 69.8592, 68.4238,
71.6109

 79.0174, 82.1268,
88.8861

 89.0042, 96.8908,
108.2755

 89.0696, 96.9170,
108.6201

Harmonies

Analogous

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



40.7774, 22.6981, 29.0356



38.7694, 22.6981, 10.5214



31.7379, 22.6981, 3.3903

Triad

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



38.7694, 22.6981, 10.5214



11.3087, 22.6981, 6.9991



20.1766, 22.6981, 99.5378

Complementary

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



38.7694, 22.6981, 10.5214



45.8745, 67.5284, 79.0308

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.



13.8508, 22.6981, 80.8126



38.7694, 22.6981, 10.5214



9.6051, 22.6981, 20.8447

Square

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



38.7694, 22.6981, 10.5214



15.7750, 22.6981, 2.4144



10.4051, 22.6981, 48.0076



28.6437, 22.6981, 90.1652

Rectangle

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



38.7694, 22.6981, 10.5214



25.8982, 22.6981, 1.9313



10.4051, 22.6981, 48.0076



17.7598, 22.6981, 96.0946

Sweetspot

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



38.7699, 22.6994, 10.5218



72.5925, 66.4417, 66.4031



47.1395, 25.4117, 83.3087



15.0479, 13.4931, 13.2738



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.



38.7699, 22.6994, 10.5218



42.4791, 22.6325, 5.7520



44.8805, 35.8447, 9.7094



15.8362, 15.7842, 16.6938



19.7818, 10.1851, 1.5014



1.6668, 0.8558, 0.2365

Inverse Universe

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



38.7699, 22.6994, 10.5218



42.4791, 22.6325, 5.7520



31.9062, 35.7838, 86.1136



15.8362, 15.7842, 16.6938



19.7818, 10.1851, 1.5014



1.6668, 0.8558, 0.2365

Previews

White Background



This preview shows how the XYZ color 38.7694, 22.6981, 10.5214 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 38.7694, 22.6981, 10.5214 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 38.7694, 22.6981, 10.5214

Background



This preview shows how black text looks on a background with the XYZ color 38.7694, 22.6981, 10.5214.



This preview shows how white text looks on a background with the XYZ color 38.7694, 22.6981,

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

38.7694, 22.6981, 10.5214

Protanopia

21.5241, 22.8257, 17.7394

Deuteranopia

23.0669, 22.6352, 9.6318



Tritanopia

38.4643, 22.7663, 8.3283

Trichromacy



Original Color

38.7694, 22.6981, 10.5214

Protanomaly

25.2371, 20.5495, 14.6929

Deuteranomaly

27.0289, 21.1278, 9.6747

Tritanomaly

38.5370, 22.6995, 9.0069

Monochromacy



Original Color

38.7694, 22.6981, 10.5214

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

22.0590, 17.8363, 15.9158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7694, 22.6981, 10.5214 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(238, 66, 83)` looks like.

```
.text, #text, p{  
    color:rgb(238, 66, 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(238, 66, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 66, 83) }
```

Border

The CSS property to change the border of an element to XYZ 38.7694, 22.6981, 10.5214 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(238, 66, 83) }
```


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

```
.border{ border-color:rgb(238, 66, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 66, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 66, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 66, 83);  
box-shadow:4px 4px 4px 4px rgb(238, 66,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7694, 22.6981, 10.5214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 66, 83) }
```

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

```
.background{ background-color: rgb(238, 66,  
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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