

# Converting Colors

XYZ(38.0446, 22.9941, 14.8481)

Have a look what the booklet for  
XYZ(38.0446, 22.9941, 14.8481)  
contains.

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# Color

**XYZ(38.0765, 22.9929,  
14.7431)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E84A65
RGB	232, 74, 101
RGB Percent	91%, 29%, 40%
CMY	0.0902, 0.7098, 0.6039
CMYK	0.00, 0.68, 0.56, 0.09
HSL	350°, 77%, 60%
HSV	350°, 68%, 91%
XYZ	38.0765, 22.9929, 14.7431
YIQ	124.3200, 85.5010, 41.8930

# Conversions

## Conversions Part 2

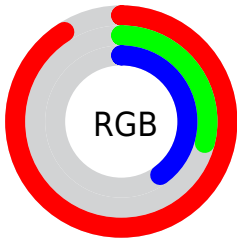
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	232, 74, 101
Decimal	15223397
CIE <sub>Lab</sub>	55.07, 62.27, 19.83
CIE <sub>LCh</sub>	55, 65.354, 17.659
Yxy	22.9929, 0.5022, 0.3033
Android (android.graphics.Color)	4293413477 (0xFFE84A65)
YUV	124.3200, -11.4968, 94.4354
Hunter-Lab	47.9509, 57.8278, 15.3362

# Details

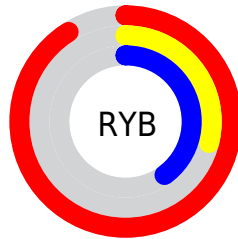
The XYZ color **38.0765, 22.9929, 14.7431** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle muted rose. A complement of this color would be **42.7019, 63.5776, 67.7844**, and the grayscale version is **19.2833, 20.2875, 22.0931**.

A 20% lighter version of the original color is **55.1588, 40.0295, 34.5250**, and **17.2672, 8.8219, 4.4071** is the 20% darker color. If you saturate the color by 10%, you get **35.9682, 20.1124, 9.9220**, and if you desaturate by 10%, it is **40.9773, 27.1058, 20.9170**.

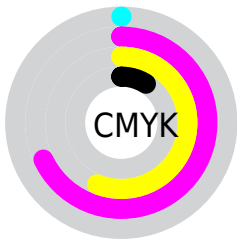
# Distribution



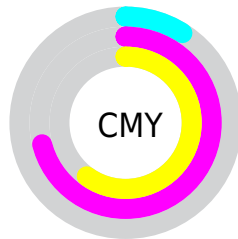
- Red (91%)
- Green (29%)
- Blue (40%)



- Red (91%)
- Yellow (29%)
- Blue (40%)



- Cyan (0%)
- Magenta (68%)
- Yellow (56%)
- Black (9%)




- Cyan (9%)
- Magenta (71%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0765, 22.9929, 14.7431 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 38.0765, 22.9929, 14.7431 by changing the saturation by 10% instead.





 38.0765, 22.9929,  
14.7431


 38.0765, 22.9929,  
14.7431


329.2232,  
267.6885, 233.3929

 26.2196, 14.5883,  
8.4947


 71.5285, 48.3817,  
35.1378


 17.1215, 8.5309,  
4.3208


 93.8543, 66.1346,  
50.1211


 10.4170, 4.4365,  
1.8029


 120.4004, 87.7724,  
68.8531

 5.7407, 1.9206,  
0.4299

 151.5322,  
113.6795, 91.7524

 2.7272, 0.5607,  
0.0000

 187.6150,  
144.2402, 119.2375

 1.0112, 0.0000,  
0.0000

229.0142,

 0.0000, 0.0000,

179.8391, 151.7269

0.0000

276.0952,  
220.8604, 189.6392

■ 38.0765, 22.9929,  
14.7431

■ 38.0765, 22.9929,  
14.7431

■ 35.9682, 20.1124,  
9.9220

■ 40.9773, 27.1058,  
20.9170

■ 34.5688, 18.3215,  
6.3481

■ 44.7394, 32.5654,  
28.5356


■ 33.7679, 17.4281,  
3.8978


■ 49.4257, 39.4774,  
37.6840


■ 33.6555, 17.3065,  
3.5417


■ 55.0930, 47.9357,  
48.4401

■ 61.7932, 58.0264,  
60.8767

 69.5746, 69.8293,  
75.0619

 78.4825, 83.4189,  
91.0602

 87.0714, 95.8889,  
108.4364

 87.0887, 95.8958,  
108.5274

# Harmonies

## Analogous

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



38.5650, 22.9929, 34.6107



38.0765, 22.9929, 14.7431



32.6944, 22.9929, 5.5644

# Triad

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



38.0765, 22.9929, 14.7431



13.0596, 22.9929, 6.5856



18.9987, 22.9929, 88.1045

# Complementary

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



38.0765, 22.9929, 14.7431



42.7019, 63.5776, 67.7844

# 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.



13.7216, 22.9929, 67.8549



38.0765, 22.9929, 14.7431



10.8394, 22.9929, 17.4122

# Square

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



38.0765, 22.9929, 14.7431



17.8795, 22.9929, 2.9769



11.0513, 22.9929, 39.2603



26.3779, 22.9929, 85.8974



# Rectangle

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



38.0765, 22.9929, 14.7431



27.6141, 22.9929, 3.2559



11.0513, 22.9929, 39.2603



16.9565, 22.9929, 83.3762

# Sweetspot

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



38.0771, 22.9942, 14.7435



74.8067, 69.2353, 72.1808



41.6530, 23.4264, 78.6702



15.4971, 14.0433, 14.4974



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.



38.0771, 22.9942, 14.7435



43.7218, 23.8096, 10.1988



41.7277, 32.0756, 10.4722



14.4770, 14.4080, 15.4461



18.7158, 9.6205, 2.1322



1.4130, 0.7229, 0.3153



# Inverse Universe

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



38.0771, 22.9942, 14.7435



43.7218, 23.8096, 10.1988



34.1120, 40.7259, 82.4068



14.4770, 14.4080, 15.4461



18.7158, 9.6205, 2.1322



1.4130, 0.7229, 0.3153



# Previews

## White Background



This preview shows how the XYZ color 38.0765, 22.9929, 14.7431 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 38.0765, 22.9929, 14.7431 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 38.0765, 22.9929, 14.7431**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.0765, 22.9929, 14.7431.



This preview shows how white text looks on a background with the XYZ color 38.0765, 22.9929,



# 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

38.0765, 22.9929, 14.7431

### Protanopia

22.2054, 23.2384, 24.0840

### Deuteranopia

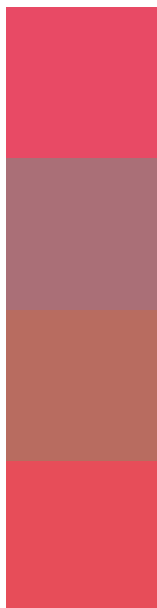
23.4698, 23.1372, 13.5849



## Tritanopia

37.2024, 23.0469, 10.4704

# Trichromacy



## Original Color

38.0765, 22.9929, 14.7431

## Protanomaly

25.5918, 21.2468, 20.2050

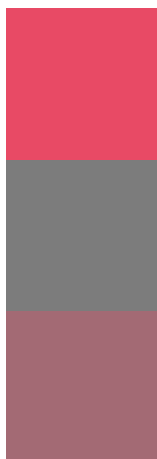
## Deuteranomaly

27.2410, 21.7600, 13.8307

## Tritanomaly

37.4120, 23.0179, 11.9223

# Monochromacy



## Original Color

38.0765, 22.9929, 14.7431

## Achromatopsia

19.1579, 20.1556, 21.9495

## Achromatomaly

23.4107, 19.3556, 19.0251

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.0765, 22.9929, 14.7431 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(232, 74, 101)` looks like.

```
.text, #text, p{  
    color:rgb(232, 74, 101)  
}
```

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(232, 74, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 74, 101) }
```

## Border

The CSS property to change the border of an element to XYZ 38.0765, 22.9929, 14.7431 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(232, 74, 101) }
```



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

```
.border{ border-color:rgb(232, 74, 101) }
```

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

Here you see how a box with a 4 pixel rgb(232, 74, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 74, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 74, 101);  
box-shadow:4px 4px 4px 4px rgb(232, 74,  
101) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.0765, 22.9929, 14.7431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 74, 101) }
```

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

```
.background{ background-color: rgb(232, 74,  
101) }
```

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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