

# Converting Colors

XYZ(38.5101, 21.9074, 17.5508)

Have a look what the booklet for  
XYZ(38.5101, 21.9074, 17.5508)  
contains.

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# Color

**XYZ(38.4722, 21.8940,  
17.5275)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EA3C70
RGB	234, 60, 112
RGB Percent	92%, 24%, 44%
CMY	0.0824, 0.7647, 0.5608
CMYK	0.00, 0.74, 0.52, 0.08
HSL	342°, 81%, 58%
HSV	342°, 74%, 92%
XYZ	38.4722, 21.8940, 17.5275
YIQ	117.9540, 87.0120, 53.0600

# Conversions

## Conversions Part 2

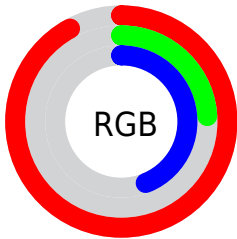
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	234, 60, 112
Decimal	15350896
CIE <sub>Lab</sub>	53.91, 68.51, 11.75
CIE <sub>LCh</sub>	54, 69.506, 9.728
Yxy	21.8940, 0.4939, 0.2811
Android (android.graphics.Color)	4293540976 (0xFFEA3C70)
YUV	117.9540, -2.9353, 101.7723
Hunter-Lab	46.7910, 64.8808, 10.5442

# Details

The XYZ color **38.4722, 21.8940, 17.5275** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle washed rose. A complement of this color would be **39.7317, 63.1844, 54.3640**, and the grayscale version is **17.1969, 18.0925, 19.7027**.

A 20% lighter version of the original color is **54.6882, 37.5791, 39.0214**, and **17.9674, 9.1523, 5.8206** is the 20% darker color. If you saturate the color by 10%, you get **36.6738, 19.6286, 12.8240**, and if you desaturate by 10%, it is **40.9797, 25.3115, 23.2891**.

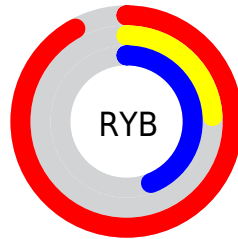
# Distribution



Red (92%)

Green (24%)

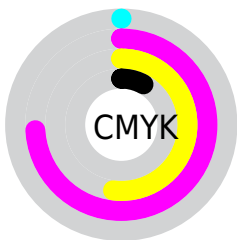
Blue (44%)



Red (92%)

Yellow (24%)

Blue (44%)

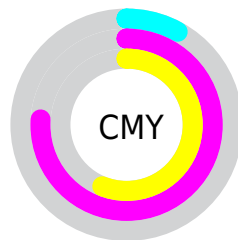


Cyan (0%)

Magenta (74%)

Yellow (52%)

Black (8%)



Cyan (8%)

Magenta (76%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4722, 21.8940, 17.5275 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 38.4722, 21.8940, 17.5275 by changing the saturation by 10% instead.




 38.4722, 21.8940,  
17.5275


 38.4722, 21.8940,  
17.5275


330.8872,  
261.9922, 250.3402


 26.5283, 13.7790,  
10.4454


 72.1306, 46.5707,  
40.0335


 17.3540, 7.9671,  
5.5858


 94.5757, 63.9013,  
56.2945


 10.5841, 4.0739,  
2.5302


 121.2519, 85.0725,  
76.4522

 5.8531, 1.7150,  
0.8561

 152.5246,  
110.4688, 100.9252

 2.7958, 0.4333,  
0.0000

 188.7592,  
140.4745, 130.1319

 1.0467, 0.0000,  
0.0000

230.3209,

 0.0000, 0.0000,

175.4740, 164.4909

0.0000

277.5751,  
215.8518, 204.4209

■ 38.4722, 21.8940,  
17.5275

■ 38.4722, 21.8940,  
17.5275

■ 36.6738, 19.6286,  
12.8240

■ 40.9797, 25.3115,  
23.2891

■ 35.4963, 18.3529,  
9.1040


■ 44.2664, 30.0074,  
30.1728


■ 35.0346, 17.9336,  
7.3961


■ 48.3953, 36.0953,  
38.2384


■ 53.4223, 43.6754,  
47.5407

■ 59.3983, 52.8384,  
58.1309

 66.3703, 63.6677,  
70.0570

 74.3821, 76.2409,  
83.3647

 83.4749, 90.6308,  
98.0973

 87.7416, 96.2324,  
108.5580

# Harmonies

## Analogous

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



37.4499, 21.8940, 41.1709



38.4722, 21.8940, 17.5275



33.9641, 21.8940, 6.0023

# Triad

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



38.4722, 21.8940, 17.5275



12.8965, 21.8940, 4.1093



16.2088, 21.8940, 87.2186

# Complementary

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



38.4722, 21.8940, 17.5275



39.7317, 63.1844, 54.3640

# 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.



11.5838, 21.8940, 61.1028



38.4722, 21.8940, 17.5275



10.0141, 21.8940, 12.2155

# Square

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



38.4722, 21.8940, 17.5275



18.4701, 21.8940, 1.9176



9.5995, 21.8940, 31.5081



23.3388, 21.8940, 91.9586



# Rectangle

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



38.4722, 21.8940, 17.5275



28.9447, 21.8940, 3.0159



9.5995, 21.8940, 31.5081



14.3623, 21.8940, 80.1333

# Sweetspot

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



38.4728, 21.8953, 17.5278



73.9915, 67.0013, 73.7702



35.7128, 19.0947, 79.6451



15.3726, 13.6230, 14.9841



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.



38.4728, 21.8953, 17.5278



43.7615, 22.9349, 13.1538



38.8226, 25.9690, 7.2430



15.2507, 15.1281, 16.6054



19.7360, 10.0971, 4.4109



1.5908, 0.8093, 0.5626



# Inverse Universe

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



38.4728, 21.8953, 17.5278



43.7615, 22.9349, 13.1538



37.1855, 47.8415, 85.1161



15.2507, 15.1281, 16.6054



19.7360, 10.0971, 4.4109



1.5908, 0.8093, 0.5626



# Previews

## White Background



This preview shows how the XYZ color 38.4722, 21.8940, 17.5275 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

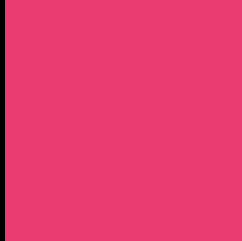
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.4722, 21.8940, 17.5275 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

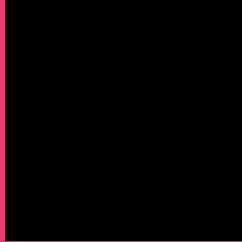
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 38.4722, 21.8940, 17.5275**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.4722, 21.8940, 17.5275.



This preview shows how white text looks on a background with the XYZ color 38.4722, 21.8940,



# 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

38.4722, 21.8940, 17.5275

### Protanopia

21.6687, 22.0121, 31.1237

### Deuteranopia

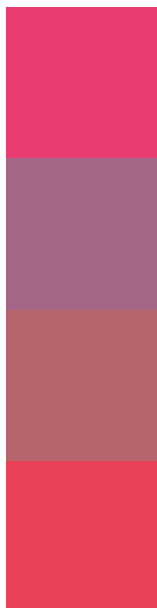
22.4688, 21.9941, 16.1578



## Tritanopia

36.5765, 21.8799, 8.4263

# Trichromacy



## Original Color

38.4722, 21.8940, 17.5275

## Protanomaly

24.7405, 19.4491, 25.3718

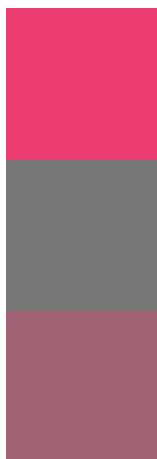
## Deuteranomaly

26.3636, 20.1927, 16.4180

## Tritanomaly

37.2728, 21.9082, 11.2810

# Monochromacy



## Original Color

38.4722, 21.8940, 17.5275

## Achromatopsia

17.2197, 18.1164, 19.7288

## Achromatomaly

21.9243, 17.2839, 18.7036

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.4722, 21.8940, 17.5275 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(234, 60, 112)` looks like.

```
.text, #text, p{  
    color:rgb(234, 60, 112)  
}
```

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(234, 60, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 60, 112) }
```

## Border

The CSS property to change the border of an element to XYZ 38.4722, 21.8940, 17.5275 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(234, 60, 112) }
```



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

```
.border{ border-color:rgb(234, 60, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 60, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 60, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 60, 112);  
box-shadow:4px 4px 4px 4px rgb(234, 60,  
112) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.4722, 21.8940, 17.5275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 60, 112) }
```

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

```
.background{ background-color: rgb(234, 60,  
112) }
```

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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