

Converting Colors

XYZ(38.7960, 23.7541, 12.9374)

Have a look what the booklet for
XYZ(38.7960, 23.7541, 12.9374)
contains.

XYZ(38.8906, 23.7602, 12.8923)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.8906, 23.7602,
12.8923)**

Conversions

Conversions Part 1

Format	Color
Hex	EB4D5D
RGB	235, 77, 93
RGB Percent	92%, 30%, 36%
CMY	0.0784, 0.6980, 0.6353
CMYK	0.00, 0.67, 0.60, 0.08
HSL	354°, 80%, 61%
HSV	354°, 67%, 92%
XYZ	38.8906, 23.7602, 12.8923
YIQ	126.0660, 89.0320, 38.4720

Conversions

Conversions Part 2

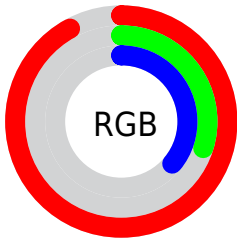
Format	Color
RYB	235, 77, 93
Decimal	15420765
CIELab	55.85, 61.51, 25.66
CIELCh	56, 66.652, 22.647
Yxy	23.7602, 0.5148, 0.3145
Android (android.graphics.Color)	4293610845 (0xFFEB4D5D)
YUV	126.0660, -16.3015, 95.5351
Hunter-Lab	48.7444, 57.1129, 18.4396

Details

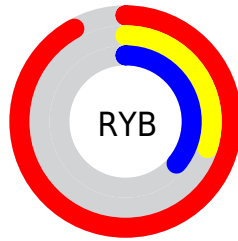
The XYZ color **38.8906, 23.7602, 12.8923** is a dark color, and the websafe version is hex **FF6666**. The color can be described as dark muted red. A complement of this color would be **45.5569, 66.1095, 77.3834**, and the grayscale version is **19.8873, 20.9230, 22.7852**.

A 20% lighter version of the original color is **54.7230, 40.2934, 30.8798**, and **17.7467, 9.0895, 3.5084** is the 20% darker color. If you saturate the color by 10%, you get **36.7230, 20.7213, 8.1743**, and if you desaturate by 10%, it is **41.9112, 28.0922, 19.1694**.

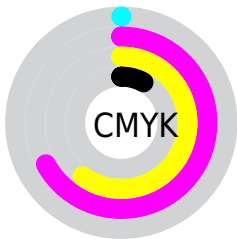
Distribution



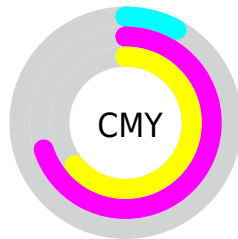
- Red (92%)
- Green (30%)
- Blue (36%)



- Red (92%)
- Yellow (30%)
- Blue (36%)



- Cyan (0%)
- Magenta (67%)
- Yellow (60%)
- Black (8%)





- Cyan (8%)
- Magenta (70%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8906, 23.7602, 12.8923 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 38.8906, 23.7602, 12.8923 by changing the saturation by 10% instead.

 38.8906, 23.7602,
12.8923


 38.8906, 23.7602,
12.8923

332.6403,
271.6059, 221.4098


 26.8550, 15.1558,
7.2246


 72.7663, 49.6386,
31.7985


 17.6004, 8.9288,
3.5224


 95.3371, 67.6814,
45.8741


 10.7614, 4.6948,
1.3672


 122.1503, 89.6392,
63.5893

 5.9727, 2.0693,
0.1159

 153.5713,
115.8963, 85.3628

 2.8690, 0.6473,
0.0000

 189.9655,
146.8371, 111.6130

 1.0849, 0.0000,
0.0000

231.6981,

 0.0124, 0.0000,

182.8460, 142.7586

0.0000

279.1346,
224.3075, 179.2180

■ 0.0000, 0.0000,
0.0000

■ 38.8906, 23.7602,
12.8923

■ 38.8906, 23.7602,
12.8923

■ 36.7230, 20.7213,
8.1743

■ 41.9112, 28.0922,
19.1694

■ 35.3175, 18.8280,
4.8767

■ 45.8600, 33.8360,
27.1255

■ 34.5612, 17.8953,
2.8366

■ 50.8057, 41.1011,
36.8703

■ 34.4234, 17.7271,
2.4598

■ 56.8099, 49.9854,
48.5035

■ 63.9295, 60.5783,
62.1177

72.2171, 72.9629,
77.7993

81.7221, 87.2168,
95.6296

88.0708, 96.4021,
108.5734

Harmonies

Analogous

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



40.3515, 23.7602, 31.5920



38.8906, 23.7602, 12.8923



32.6359, 23.7602, 4.8490

Triad

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



38.8906, 23.7602, 12.8923



12.8623, 23.7602, 7.9051



20.7681, 23.7602, 93.3211

Complementary

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



38.8906, 23.7602, 12.8923



45.5569, 66.1095, 77.3834

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.



14.8413, 23.7602, 75.2893



38.8906, 23.7602, 12.8923



10.9890, 23.7602, 20.8858

Square

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



38.8906, 23.7602, 12.8923



17.4212, 23.7602, 3.3007



11.6222, 23.7602, 45.5123



28.6762, 23.7602, 86.7176

Rectangle

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



38.8906, 23.7602, 12.8923



27.2176, 23.7602, 2.9776



11.6222, 23.7602, 45.5123



18.5075, 23.7602, 89.7059

Sweetspot

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



38.8912, 23.7616, 12.8927



74.3615, 69.0572, 69.8368



46.1367, 25.9928, 81.1823



15.3926, 14.0015, 13.9471



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.



38.8912, 23.7616, 12.8927



43.4007, 23.8450, 8.0033



44.6280, 36.2526, 11.6683



15.1274, 15.0788, 15.9562



19.1796, 9.8745, 1.4814



1.5270, 0.7838, 0.2264

Inverse Universe

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



38.8912, 23.7616, 12.8927



43.4007, 23.8450, 8.0033



33.2773, 38.0175, 84.1811



15.1274, 15.0788, 15.9562



19.1796, 9.8745, 1.4814



1.5270, 0.7838, 0.2264

Previews

White Background



This preview shows how the XYZ color 38.8906, 23.7602, 12.8923 looks on a white background.

Color Contrast Check

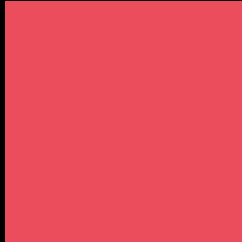
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.8906, 23.7602, 12.8923 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 38.8906, 23.7602, 12.8923

Background



This preview shows how black text looks on a background with the XYZ color 38.8906, 23.7602, 12.8923.



This preview shows how white text looks on a background with the XYZ color 38.8906, 23.7602,

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

38.8906, 23.7602, 12.8923

Protanopia

22.6103, 23.9336, 20.5675

Deuteranopia

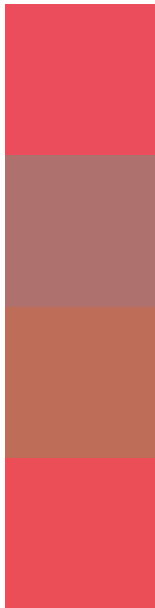
24.2592, 23.7756, 11.9049



Tritanopia

38.6183, 23.8787, 10.7572

Trichromacy



Original Color

38.8906, 23.7602, 12.8923

Protanomaly

26.3446, 22.0283, 17.3314

Deuteranomaly

28.2164, 22.4607, 12.0807

Tritanomaly

38.7056, 23.7991, 11.5705

Monochromacy



Original Color

38.8906, 23.7602, 12.8923

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

24.1257, 20.0470, 18.5175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8906, 23.7602, 12.8923 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, 77, 93)` looks like.

```
.text, #text, p{  
    color:rgb(235, 77, 93)  
}
```

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, 77, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 77, 93) }
```

Border

The CSS property to change the border of an element to XYZ 38.8906, 23.7602, 12.8923 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, 77, 93) }
```


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

```
.border{ border-color:rgb(235, 77, 93) }
```

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

Here you see how a box with a 4 pixel rgb(235, 77, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 77, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 77, 93);  
box-shadow:4px 4px 4px 4px rgb(235, 77,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8906, 23.7602, 12.8923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 77, 93) }
```

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

```
.background{ background-color: rgb(235, 77,  
93) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor