

Converting Colors

XYZ(39.8587, 24.9002, 12.2739)

Have a look what the booklet for
XYZ(39.8587, 24.9002, 12.2739)
contains.

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Color

**XYZ(39.8638, 24.9292,
12.3836)**

Conversions

Conversions Part 1

Format	Color
Hex	ED535A
RGB	237, 83, 90
RGB Percent	93%, 33%, 35%
CMY	0.0706, 0.6745, 0.6471
CMYK	0.00, 0.65, 0.62, 0.07
HSL	357°, 81%, 63%
HSV	357°, 65%, 93%
XYZ	39.8638, 24.9292, 12.3836
YIQ	129.8440, 89.5370, 34.8250

Conversions

Conversions Part 2

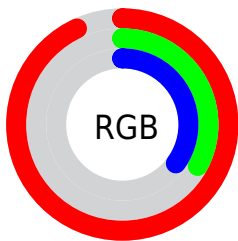
Format	Color
R_{YB}	237, 83, 90
Decimal	15553370
CIE _{Lab}	57.01, 59.59, 28.97
CIE _{LCh}	57, 66.256, 25.931
Yxy	24.9292, 0.5165, 0.3230
Android (android.graphics.Color)	4293743450 (0xFFED535A)
YUV	129.8440, -19.6431, 93.9758
Hunter-Lab	49.9291, 55.1397, 20.2451

Details

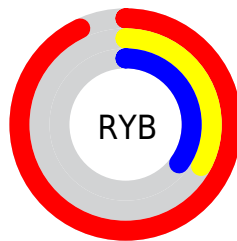
The XYZ color **39.8638, 24.9292, 12.3836** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **48.1363, 68.1212, 85.4808**, and the grayscale version is **21.2092, 22.3137, 24.2996**.

A 20% lighter version of the original color is **55.3517, 41.9096, 29.9830**, and **18.0672, 9.4946, 3.2633** is the 20% darker color. If you saturate the color by 10%, you get **37.5293, 21.5741, 7.5558**, and if you desaturate by 10%, it is **43.1119, 29.6432, 18.9617**.

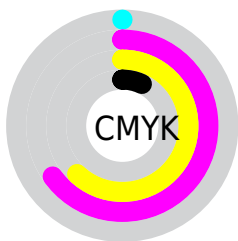
Distribution



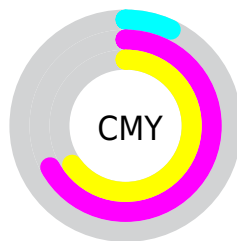
- Red (93%)
- Green (33%)
- Blue (35%)



- Red (93%)
- Yellow (33%)
- Blue (35%)



- Cyan (0%)
- Magenta (65%)
- Yellow (62%)
- Black (7%)





- Cyan (7%)
- Magenta (67%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.8638, 24.9292, 12.3836 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 39.8638, 24.9292, 12.3836 by changing the saturation by 10% instead.


 39.8638, 24.9292,
12.3836


 39.8638, 24.9292,
12.3836


336.6934,
277.4852, 217.9958


 27.6161, 16.0243,
6.8798

 74.2417, 51.5423,
30.8666

 18.1754, 9.5414,
3.3097


 97.1027, 70.0194,
44.6829

 11.1765, 5.0959,
1.2549


 124.2321, 92.4559,
62.1072

 6.2538, 2.3037,
0.0244

 155.9953,
119.2364, 83.5578

 3.0422, 0.7756,
0.0000

192.7577,
150.7452, 109.4535

 1.1761, 0.0000,
0.0000

234.8846,

 0.0874, 0.0000,

187.3666, 140.2127

0.0000

282.7414,
229.4852, 176.2539

■ 0.0000, 0.0000,
0.0000

■ 39.8638, 24.9292,
12.3836

■ 39.8638, 24.9292,
12.3836

■ 37.5293, 21.5741,
7.5558

■ 43.1119, 29.6432,
18.9617

■ 36.0129, 19.4303,
4.3101

■ 47.3528, 35.8351,
27.4347


■ 35.2014, 18.3236,
2.4471


■ 52.6592, 43.6160,
37.9336


■ 34.9839, 18.0281,
1.9453

■ 59.0963, 53.0850,
50.5774

■ 66.7244, 64.3331,
65.4760

 75.5992, 77.4451,
82.7317

 85.7731, 92.4999,
102.4405

 88.7349, 96.7445,
108.6045

Harmonies

Analogous

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



41.9781, 24.9292, 30.3005



39.8638, 24.9292, 12.3836



33.1065, 24.9292, 4.8690

Triad

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



39.8638, 24.9292, 12.3836



13.3333, 24.9292, 9.5163



22.6481, 24.9292, 96.2761

Complementary

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



39.8638, 24.9292, 12.3836



48.1363, 68.1212, 85.4808

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.



16.2602, 24.9292, 80.3815



39.8638, 24.9292, 12.3836



11.6815, 24.9292, 24.2140

Square

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



39.8638, 24.9292, 12.3836



17.7339, 24.9292, 3.9642



12.6224, 24.9292, 50.5321



30.8601, 24.9292, 86.8189

Rectangle

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



39.8638, 24.9292, 12.3836



27.5222, 24.9292, 3.1820



12.6224, 24.9292, 50.5321



20.2392, 24.9292, 93.5628

Sweetspot

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



39.8644, 24.9306, 12.3840



74.9216, 70.2590, 69.7717



50.7889, 29.0098, 83.0430



15.4876, 14.2292, 13.8619



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.



39.8644, 24.9306, 12.3840



43.6169, 24.4812, 7.4473



47.7644, 41.1848, 13.6175



15.0932, 15.0651, 15.7760



19.1128, 9.8478, 1.1295



1.5106, 0.7772, 0.1402

Inverse Universe

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



39.8644, 24.9306, 12.3840



43.6169, 24.4812, 7.4473



32.8022, 35.8499, 85.3113



15.0932, 15.0651, 15.7760



19.1128, 9.8478, 1.1295



1.5106, 0.7772, 0.1402

Previews

White Background



This preview shows how the XYZ color 39.8638, 24.9292, 12.3836 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 39.8638, 24.9292, 12.3836 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 39.8638, 24.9292, 12.3836

Background



This preview shows how black text looks on a background with the XYZ color 39.8638, 24.9292, 12.3836.



This preview shows how white text looks on a background with the XYZ color 39.8638, 24.9292,

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

39.8638, 24.9292, 12.3836

Protanopia

23.6034, 25.1033, 19.2242

Deuteranopia

25.3652, 24.9488, 11.4614



Tritanopia

39.7798, 24.8956, 11.9412

Trichromacy



Original Color

39.8638, 24.9292, 12.3836

Protanomaly

27.2712, 23.2075, 16.4067

Deuteranomaly

29.3952, 23.8970, 11.6576

Tritanomaly

39.8215, 24.9123, 12.1609

Monochromacy



Original Color

39.8638, 24.9292, 12.3836

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

25.3618, 21.4831, 19.0296

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8638, 24.9292, 12.3836 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(237, 83, 90)` looks like.

```
.text, #text, p{  
    color:rgb(237, 83, 90)  
}
```

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(237, 83, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 83, 90) }
```

Border

The CSS property to change the border of an element to XYZ 39.8638, 24.9292, 12.3836 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(237, 83, 90) }
```


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

```
.border{ border-color:rgb(237, 83, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 83, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 83, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 83, 90);  
box-shadow:4px 4px 4px 4px rgb(237, 83,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8638, 24.9292, 12.3836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 83, 90) }
```

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

```
.background{ background-color: rgb(237, 83,  
90) }
```

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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