

# Converting Colors

XYZ(37.4090, 24.3704, 14.0171)

Have a look what the booklet for  
XYZ(37.4090, 24.3704, 14.0171)  
contains.

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# Color

**XYZ(37.4086, 24.3387,  
14.0355)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E35961
RGB	227, 89, 97
RGB Percent	89%, 35%, 38%
CMY	0.1098, 0.6509, 0.6196
CMYK	0.00, 0.61, 0.57, 0.11
HSL	357°, 71%, 62%
HSV	357°, 61%, 89%
XYZ	37.4086, 24.3387, 14.0355
YIQ	131.1740, 79.6800, 31.7440

# Conversions

## Conversions Part 2

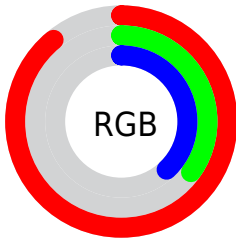
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	227, 89, 97
Decimal	14899553
CIE <sub>Lab</sub>	56.43, 54.24, 23.84
CIE <sub>LCh</sub>	56, 59.251, 23.726
Yxy	24.3387, 0.4936, 0.3212
Android (android.graphics.Color)	4293089633 (0xFFE35961)
YUV	131.1740, -16.8478, 84.0394
Hunter-Lab	49.3343, 49.0159, 17.6661

# Details

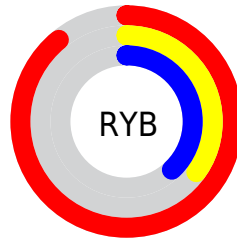
The XYZ color **37.4086, 24.3387, 14.0355** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted rose. A complement of this color would be **44.3767, 62.1770, 76.6851**, and the grayscale version is **21.6750, 22.8037, 24.8333**.

A 20% lighter version of the original color is **56.5586, 43.3446, 33.4024**, and **16.7877, 9.2746, 4.0373** is the 20% darker color. If you saturate the color by 10%, you get **34.9359, 20.7799, 8.9372**, and if you desaturate by 10%, it is **40.7335, 29.1721, 20.7440**.

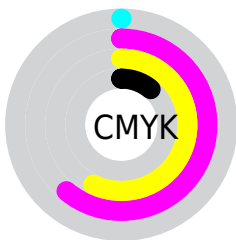
# Distribution



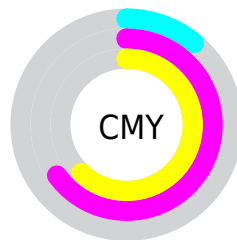
- Red (89%)
- Green (35%)
- Blue (38%)



- Red (89%)
- Yellow (35%)
- Blue (38%)



- Cyan (0%)
- Magenta (61%)
- Yellow (57%)
- Black (11%)




- Cyan (11%)
- Magenta (65%)
- Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4086, 24.3387, 14.0355 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 37.4086, 24.3387, 14.0355 by changing the saturation by 10% instead.




 37.4086, 24.3387,  
14.0355


 37.4086, 24.3387,  
14.0355


326.4011,  
274.5284, 228.8877


 25.6991, 15.5851,  
8.0063


 70.5105, 50.5823,  
33.8700

 16.7302, 9.2310,  
4.0112


 92.6337, 68.8411,  
48.5125

 10.1364, 4.8922,  
1.6315


 118.9588, 91.0371,  
66.8631

 5.5525, 2.1841,  
0.3131

 149.8512,  
117.5547, 89.3404

 2.6130, 0.7113,  
0.0000

185.6763,  
148.7782, 116.3630

 0.9526, 0.0000,  
0.0000

226.7994,

 0.0000, 0.0000,

185.0920, 148.3494

0.0000

273.5859,  
226.8806, 185.7181

■ 37.4086, 24.3387,  
14.0355

■ 37.4086, 24.3387,  
14.0355

■ 34.9359, 20.7799,  
8.9372

■ 40.7335, 29.1721,  
20.7440

■ 33.2359, 18.3717,  
5.3129

■ 44.9768, 35.3808,  
29.1812

■ 32.2172, 16.9727,  
3.0056

■ 50.2005, 43.0601,  
39.4561

■ 31.7520, 16.3603,  
1.8701

■ 56.4605, 52.2958,  
51.6683

■ 63.8086, 63.1668,  
65.9100

■ 72.2931, 75.7471,  
82.2678

■ 81.9593, 90.1058,  
100.8232

■ 85.4884, 95.0708,  
108.4525

# Harmonies

## Analogous

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



38.8519, 24.3387, 30.8407



37.4086, 24.3387, 14.0355



31.8343, 24.3387, 6.2385

# Triad

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



37.4086, 24.3387, 14.0355



14.0560, 24.3387, 9.8610



21.7234, 24.3387, 84.4653

# Complementary

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



37.4086, 24.3387, 14.0355



44.3767, 62.1770, 76.6851

# 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.



16.1824, 24.3387, 70.0312



37.4086, 24.3387, 14.0355



12.3549, 24.3387, 22.5883

# Square

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



37.4086, 24.3387, 14.0355



18.2277, 24.3387, 4.7951



13.0484, 24.3387, 44.7618



28.8482, 24.3387, 78.2103



# Rectangle

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



37.4086, 24.3387, 14.0355



27.0242, 24.3387, 4.2784



13.0484, 24.3387, 44.7618



19.6349, 24.3387, 81.7116

# Sweetspot

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



37.4092, 24.3400, 14.0359



75.9182, 71.6513, 71.9566



46.2918, 27.5668, 75.5538



15.6843, 14.5008, 14.3034



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.



37.4092, 24.3400, 14.0359



44.7933, 26.0716, 10.1898



44.1985, 38.4853, 14.5519



14.4107, 14.3815, 15.0970



18.5317, 9.5469, 1.1629



1.3814, 0.7103, 0.1491



# Inverse Universe

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



37.4092, 24.3400, 14.0359



44.7933, 26.0716, 10.1898



31.8417, 35.3823, 77.8239



14.4107, 14.3815, 15.0970



18.5317, 9.5469, 1.1629



1.3814, 0.7103, 0.1491



# Previews

## White Background



This preview shows how the XYZ color 37.4086, 24.3387, 14.0355 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 37.4086, 24.3387, 14.0355 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 37.4086, 24.3387, 14.0355**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.4086, 24.3387, 14.0355.



This preview shows how white text looks on a background with the XYZ color 37.4086, 24.3387,



# 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

37.4086, 24.3387, 14.0355

### Protanopia

23.0893, 24.3867, 20.6297

### Deuteranopia

24.9324, 24.4900, 13.0858



## Tritanopia

37.3165, 24.3019, 13.5504

# Trichromacy



## Original Color

37.4086, 24.3387, 14.0355

## Protanomaly

26.5265, 22.9669, 17.7868

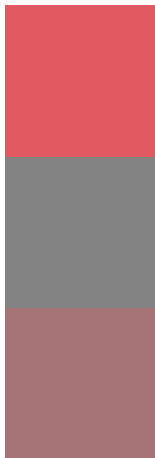
## Deuteranomaly

28.3562, 23.4909, 13.3956

## Tritanomaly

37.3623, 24.3202, 13.7914

# Monochromacy



## Original Color

37.4086, 24.3387, 14.0355

## Achromatopsia

21.5731, 22.6966, 24.7166

## Achromatomaly

25.3010, 21.9297, 20.3521

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.4086, 24.3387, 14.0355 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(227, 89, 97)` looks like.

```
.text, #text, p{  
    color:rgb(227, 89, 97)  
}
```

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(227, 89, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 89, 97) }
```

## Border

The CSS property to change the border of an element to XYZ 37.4086, 24.3387, 14.0355 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(227, 89, 97) }
```



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

```
.border{ border-color:rgb(227, 89, 97) }
```

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

Here you see how a box with a 4 pixel rgb(227, 89, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 89, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 89, 97);  
box-shadow:4px 4px 4px 4px rgb(227, 89,  
97) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.4086, 24.3387, 14.0355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 89, 97) }
```

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

```
.background{ background-color: rgb(227, 89,  
97) }
```

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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