

Converting Colors

XYZ(37.6507, 24.7719, 12.7426)

Have a look what the booklet for
XYZ(37.6507, 24.7719, 12.7426)
contains.

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Color

**XYZ(37.6243, 24.7315,
12.6882)**

Conversions

Conversions Part 1

Format	Color
Hex	E45B5B
RGB	228, 91, 91
RGB Percent	89%, 36%, 36%
CMY	0.1059, 0.6431, 0.6431
CMYK	0.00, 0.60, 0.60, 0.11
HSL	0°, 72%, 63%
HSV	0°, 60%, 89%
XYZ	37.6243, 24.7315, 12.6882
YIQ	131.9630, 81.6520, 29.0440

Conversions

Conversions Part 2

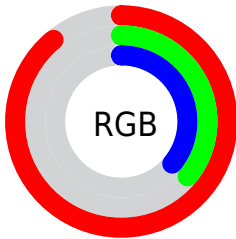
Format	Color
R_{YB}	228, 91, 91
Decimal	14965595
CIE _{Lab}	56.81, 53.28, 27.85
CIE _{LCh}	57, 60.117, 27.599
Yxy	24.7315, 0.5014, 0.3296
Android (android.graphics.Color)	4293155675 (0xFFE45B5B)
YUV	131.9630, -20.1948, 84.2244
Hunter-Lab	49.7308, 48.0170, 19.6844

Details

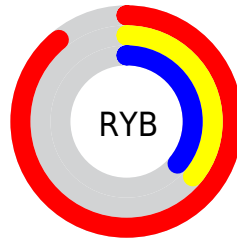
The XYZ color **37.6243, 24.7315, 12.6882** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **46.0591, 63.3078, 83.1904**, and the grayscale version is **21.9697, 23.1139, 25.1710**.

A 20% lighter version of the original color is **56.3266, 43.7409, 30.6734**, and **16.9539, 9.4927, 3.4213** is the 20% darker color. If you saturate the color by 10%, you get **35.1241, 21.0734, 7.7174**, and if you desaturate by 10%, it is **41.0162, 29.6955, 19.4302**.

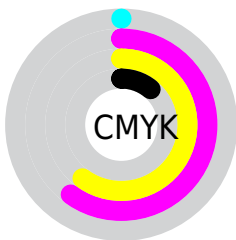
Distribution



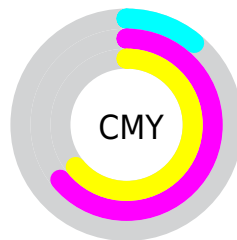
- Red (89%)
- Green (36%)
- Blue (36%)



- Red (89%)
- Yellow (36%)
- Blue (36%)



- Cyan (0%)
- Magenta (60%)
- Yellow (60%)
- Black (11%)



- Cyan (11%)
- Magenta (64%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6243, 24.7315, 12.6882 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 37.6243, 24.7315, 12.6882 by changing the saturation by 10% instead.

37.6243, 24.7315,
12.6882

37.6243, 24.7315,
12.6882

327.3144,
276.4981, 220.0468

25.8671, 15.8771,
7.0860

70.8395, 51.2213,
31.4254

16.8564, 9.4372,
3.4367

93.0283, 69.6255,
45.3975

10.2268, 5.0275,
1.3217

119.4250, 91.9818,
62.9966

5.6130, 2.2634,
0.0795

150.3949,
118.6746, 84.6413

2.6496, 0.7542,
0.0000

186.3035,
150.0882, 110.7502

0.9713, 0.0000,
0.0000

227.5160,

0.0000, 0.0000,

186.6071, 141.7417

0.0000

274.3978,
228.6156, 178.0344

■ 37.6243, 24.7315,
12.6882

■ 37.6243, 24.7315,
12.6882

■ 35.1241, 21.0734,
7.7174

■ 41.0162, 29.6955,
19.4302

■ 33.4303, 18.5948,
4.3505

■ 45.3712, 36.0681,
28.0876


■ 32.4441, 17.1517,
2.3904


■ 50.7554, 43.9467,
38.7910


■ 31.9948, 16.4942,
1.4974

■ 57.2286, 53.4188,
51.6594

■ 64.8460, 64.5652,
66.8026

 73.6592, 77.4614,
84.3230

 83.7165, 92.1779,
104.3167

 85.8047, 95.2339,
108.4673

Harmonies

Analogous

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



39.7501, 24.7315, 28.5817



37.6243, 24.7315, 12.6882



31.5129, 24.7315, 5.6919

Triad

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



37.6243, 24.7315, 12.6882



13.8467, 24.7315, 11.0634



22.9452, 24.7315, 87.0215

Complementary

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



37.6243, 24.7315, 12.6882



46.0591, 63.3078, 83.1904

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.



16.9860, 24.7315, 74.5770



37.6243, 24.7315, 12.6882



12.4287, 24.7315, 25.3401

Square

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



37.6243, 24.7315, 12.6882



17.7875, 24.7315, 5.1360



13.4529, 24.7315, 49.1207



30.3362, 24.7315, 77.8188

Rectangle

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



37.6243, 24.7315, 12.6882



26.5283, 24.7315, 4.0616



13.4529, 24.7315, 49.1207



20.7234, 24.7315, 85.1367

Sweetspot

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



37.6249, 24.7329, 12.6886



75.5867, 71.5197, 70.2074



49.7394, 29.5776, 76.4858



15.6055, 14.4695, 13.8879



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.



37.6249, 24.7329, 12.6886



44.6696, 26.2789, 8.7468



46.3674, 42.2179, 15.6028



14.3771, 14.3681, 14.9200



18.4752, 9.5245, 0.8647



1.3653, 0.7039, 0.0639

Inverse Universe

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



46.0591, 63.3078, 83.1904



56.4347, 80.0882, 107.0919



30.8023, 32.7942, 78.1048



14.8074, 16.3363, 18.5171



24.1042, 35.2706, 47.9206



1.7812, 2.6064, 3.5412

Previews

White Background



This preview shows how the XYZ color 37.6243, 24.7315, 12.6882 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 37.6243, 24.7315, 12.6882 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 37.6243, 24.7315, 12.6882

Background



This preview shows how black text looks on a background with the XYZ color 37.6243, 24.7315, 12.6882.



This preview shows how white text looks on a background with the XYZ color 37.6243, 24.7315,

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

37.6243, 24.7315, 12.6882

Protanopia

23.4372, 25.0369, 18.3492

Deuteranopia

25.2336, 24.8720, 11.8583



Tritanopia

37.7624, 24.6508, 13.8341

Trichromacy



Original Color

37.6243, 24.7315, 12.6882

Protanomaly

26.8438, 23.5262, 15.9581

Deuteranomaly

28.7047, 23.8703, 12.1113

Tritanomaly

37.6715, 24.6145, 13.3552

Monochromacy



Original Color

37.6243, 24.7315, 12.6882

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

25.5085, 22.2224, 19.7745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6243, 24.7315, 12.6882 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(228, 91, 91)` looks like.

```
.text, #text, p{  
    color:rgb(228, 91, 91)  
}
```

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(228, 91, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 91, 91) }
```

Border

The CSS property to change the border of an element to XYZ 37.6243, 24.7315, 12.6882 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(228, 91, 91) }
```


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

```
.border{ border-color:rgb(228, 91, 91) }
```

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

Here you see how a box with a 4 pixel rgb(228, 91, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 91, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 91, 91);  
box-shadow:4px 4px 4px 4px rgb(228, 91,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6243, 24.7315, 12.6882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 91, 91) }
```

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

```
.background{ background-color: rgb(228, 91,  
91) }
```

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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