

Converting Colors

XYZ(37.7036, 24.8487, 12.8433)

Have a look what the booklet for
XYZ(37.7036, 24.8487, 12.8433)
contains.

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Color

**XYZ(37.7538, 24.9210,
12.9456)**

Conversions

Conversions Part 1

Format	Color
Hex	E45C5C
RGB	228, 92, 92
RGB Percent	89%, 36%, 36%
CMY	0.1059, 0.6392, 0.6392
CMYK	0.00, 0.60, 0.60, 0.11
HSL	0°, 72%, 63%
HSV	0°, 60%, 89%
XYZ	37.7538, 24.9210, 12.9456
YIQ	132.6640, 81.0560, 28.8320

Conversions

Conversions Part 2

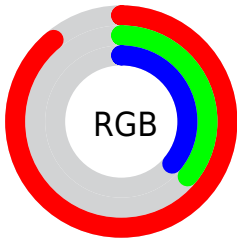
Format	Color
R _Y B	228, 92, 92
Decimal	14965852
CIE Lab	57.00, 52.90, 27.51
CIE LCh	57, 59.625, 27.481
Yxy	24.9210, 0.4993, 0.3296
Android (android.graphics.Color)	4293155932 (0xFFE45C5C)
YUV	132.6640, -20.0474, 83.6097
Hunter-Lab	49.9209, 47.6329, 19.5695

Details

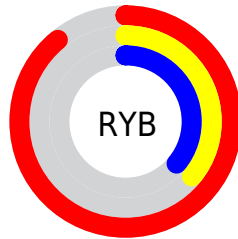
The XYZ color **37.7538, 24.9210, 12.9456** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **46.1583, 63.3589, 83.1950**, and the grayscale version is **22.2231, 23.3805, 25.4613**.

A 20% lighter version of the original color is **56.5562, 44.0804, 31.1187**, and **17.0015, 9.5568, 3.5333** is the 20% darker color. If you saturate the color by 10%, you get **35.2162, 21.2082, 7.9005**, and if you desaturate by 10%, it is **41.1865, 29.9446, 19.7687**.

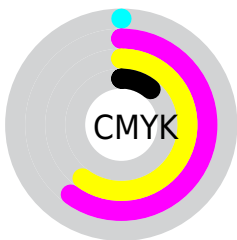
Distribution



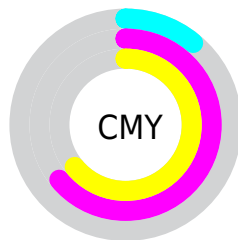
- Red (89%)
- Green (36%)
- Blue (36%)



- 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 37.7538, 24.9210, 12.9456 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 37.7538, 24.9210, 12.9456 by changing the saturation by 10% instead.


 37.7538, 24.9210,
12.9456


 37.7538, 24.9210,
12.9456

327.8618,
277.4443, 221.7643


 25.9680, 16.0182,
7.2608


 71.0370, 51.5290,
31.8958


 16.9323, 9.5370,
3.5448


 93.2650, 70.0031,
45.9982

 10.2812, 5.0931,
1.3791


 119.7046, 92.4363,
63.7437

 5.6495, 2.3020,
0.1253

 150.7209,
119.2131, 85.5506

 2.6718, 0.7748,
0.0000

186.6795,
150.7179, 111.8376

 0.9827, 0.0000,
0.0000

227.9456,

 0.0000, 0.0000,

187.3351, 143.0232

0.0000

274.8846,
229.4491, 179.5259

■ 37.7538, 24.9210,
12.9456

■ 37.7538, 24.9210,
12.9456

■ 35.2162, 21.2082,
7.9005

■ 41.1865, 29.9446,
19.7687

■ 33.4889, 18.6806,
4.4670

■ 45.5853, 36.3814,
28.5131

■ 32.4742, 17.1956,
2.4501

■ 51.0160, 44.3281,
39.3091

■ 32.0079, 16.5133,
1.5234

■ 57.5383, 53.8720,
52.2750

■ 31.9948, 16.4942,
1.4974

■ 65.2071, 65.0936,
67.5204

■ 74.0738, 78.0681,
85.1472

■ 84.1867, 92.8660,
105.2516

■ 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.



39.8469, 24.9210, 28.8650



37.7538, 24.9210, 12.9456



31.6879, 24.9210, 5.8767

Triad

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



37.7538, 24.9210, 12.9456



14.0498, 24.9210, 11.2348



23.0998, 24.9210, 86.7735

Complementary

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



37.7538, 24.9210, 12.9456



46.1583, 63.3589, 83.1950

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.



17.1602, 24.9210, 74.3730



37.7538, 24.9210, 12.9456



12.6200, 24.9210, 25.4751

Square

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



37.7538, 24.9210, 12.9456



18.0003, 24.9210, 5.2864



13.6362, 24.9210, 49.1048



30.4598, 24.9210, 77.7418

Rectangle

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



37.7538, 24.9210, 12.9456



26.7270, 24.9210, 4.2141



13.6362, 24.9210, 49.1048



20.8861, 24.9210, 84.8783

Sweetspot

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



37.7544, 24.9224, 12.9460



75.5867, 71.5197, 70.2074



49.8254, 29.7497, 76.5145



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.



37.7544, 24.9224, 12.9460



44.6697, 26.2790, 8.7468



46.4973, 42.4082, 15.8603



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.



46.1583, 63.3589, 83.1950



56.4346, 80.0880, 107.0919



30.9880, 33.0184, 78.1383



14.8074, 16.3363, 18.5171



24.1042, 35.2705, 47.9206



1.7812, 2.6064, 3.5412

Previews

White Background



This preview shows how the XYZ color 37.7538, 24.9210, 12.9456 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 37.7538, 24.9210, 12.9456 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 37.7538, 24.9210, 12.9456

Background



This preview shows how black text looks on a background with the XYZ color 37.7538, 24.9210, 12.9456.



This preview shows how white text looks on a background with the XYZ color 37.7538, 24.9210,

12.9456.

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

37.7538, 24.9210, 12.9456

Protanopia

23.4920, 25.0588, 18.6376

Deuteranopia

25.4819, 24.9955, 12.0759



Tritanopia

37.8937, 24.8392, 14.1065

Trichromacy



Original Color

37.7538, 24.9210, 12.9456

Protanomaly

27.0153, 23.7882, 16.2644

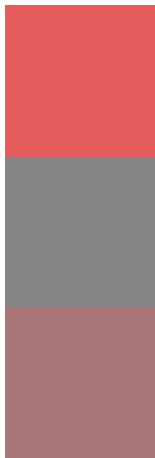
Deuteranomaly

29.1090, 24.2460, 12.3782

Tritanomaly

37.8016, 24.8024, 13.6214

Monochromacy



Original Color

37.7538, 24.9210, 12.9456

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

25.8969, 22.5897, 20.1349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7538, 24.9210, 12.9456 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, 92, 92)` looks like.

```
.text, #text, p{  
    color:rgb(228, 92, 92)  
}
```

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, 92, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 92, 92) }
```

Border

The CSS property to change the border of an element to XYZ 37.7538, 24.9210, 12.9456 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, 92, 92) }
```


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

```
.border{ border-color:rgb(228, 92, 92) }
```

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

Here you see how a box with a 4 pixel rgb(228, 92, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 92, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 92, 92);  
box-shadow:4px 4px 4px 4px rgb(228, 92,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7538, 24.9210, 12.9456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 92, 92) }
```

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

```
.background{ background-color: rgb(228, 92,  
92) }
```

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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