

Converting Colors

XYZ(37.8509, 24.0244, 12.7526)

Have a look what the booklet for
XYZ(37.8509, 24.0244, 12.7526)
contains.

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Color

**XYZ(37.7352, 23.9363,
12.7565)**

Conversions

Conversions Part 1

Format	Color
Hex	E6545C
RGB	230, 84, 92
RGB Percent	90%, 33%, 36%
CMY	0.0980, 0.6706, 0.6392
CMYK	0.00, 0.63, 0.60, 0.10
HSL	357°, 74%, 62%
HSV	357°, 63%, 90%
XYZ	37.7352, 23.9363, 12.7565
YIQ	128.5660, 84.4480, 33.4400

Conversions

Conversions Part 2

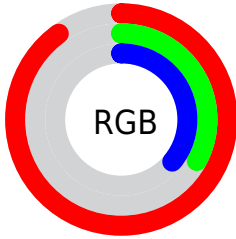
Format	Color
R_{YB}	230, 84, 92
Decimal	15094876
CIE _{Lab}	56.02, 57.04, 26.32
CIE _{LCh}	56, 62.815, 24.768
Yxy	23.9363, 0.5070, 0.3216
Android (android.graphics.Color)	4293284956 (0xFFE6545C)
YUV	128.5660, -18.0270, 88.9576
Hunter-Lab	48.9247, 52.0571, 18.7882

Details

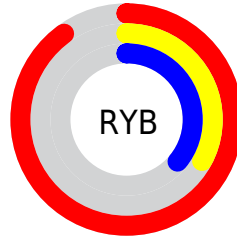
The XYZ color **37.7352, 23.9363, 12.7565** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **45.1395, 63.7529, 79.0391**, and the grayscale version is **20.7559, 21.8368, 23.7803**.

A 20% lighter version of the original color is **55.5006, 41.9692, 30.7668**, and **16.8745, 8.9878, 3.4302** is the 20% darker color. If you saturate the color by 10%, you get **35.4159, 20.6068, 7.9483**, and if you desaturate by 10%, it is **40.9141, 28.5492, 19.1967**.

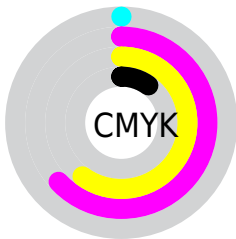
Distribution



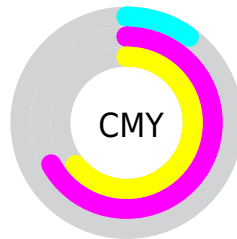
- Red (90%)
- Green (33%)
- Blue (36%)



- Red (90%)
- Yellow (33%)
- Blue (36%)



- Cyan (0%)
- Magenta (63%)
- Yellow (60%)
- Black (10%)





- Cyan (10%)
- Magenta (67%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7352, 23.9363, 12.7565 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 37.7352, 23.9363, 12.7565 by changing the saturation by 10% instead.


 37.7352, 23.9363,
12.7565


 37.7352, 23.9363,
12.7565

327.7832,
272.4983, 220.5039

 25.9535, 15.2864,
7.1323


 71.0086, 49.9262,
31.5504

 16.9214, 9.0206,
3.4653


 93.2310, 68.0350,
45.5572

 10.2734, 4.7546,
1.3369


 119.6644, 90.0656,
63.1952

 5.6443, 2.1040,
0.0917

 150.6741,
116.4023, 84.8832

 2.6686, 0.6669,
0.0000

186.6255,
147.4295, 111.0394

 0.9810, 0.0000,
0.0000

227.8839,

 0.0000, 0.0000,

183.5316, 142.0826

0.0000

274.8147,
225.0931, 178.4313

■ 37.7352, 23.9363,
12.7565

■ 37.7352, 23.9363,
12.7565

■ 35.4159, 20.6068,
7.9483

■ 40.9141, 28.5492,
19.1967

■ 33.8706, 18.4274,
4.6244

■ 45.0240, 34.5534,
27.3966

■ 32.9992, 17.2429,
2.6125

■ 50.1305, 42.0502,
37.4727

■ 32.7030, 16.8509,
1.8960

■ 56.2931, 51.1302,
49.5310

■ 63.5663, 61.8769,
63.6697

■ 72.0012, 74.3679,
79.9806

■ 81.6455, 88.6759,
98.5498

■ 86.4430, 95.5629,
108.4972

Harmonies

Analogous

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



39.4602, 23.9363, 29.8382



37.7352, 23.9363, 12.7565



31.6837, 23.9363, 5.2666

Triad

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



37.7352, 23.9363, 12.7565



13.2321, 23.9363, 9.2567



21.5145, 23.9363, 88.6195

Complementary

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



37.7352, 23.9363, 12.7565



45.1395, 63.7529, 79.0391

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.



15.6777, 23.9363, 73.5547



37.7352, 23.9363, 12.7565



11.5833, 23.9363, 22.6197

Square

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



37.7352, 23.9363, 12.7565



17.4418, 23.9363, 4.1197



12.3739, 23.9363, 46.3913



29.0406, 23.9363, 80.9952

Rectangle

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



37.7352, 23.9363, 12.7565



26.5753, 23.9363, 3.4966



12.3739, 23.9363, 46.3913



19.3119, 23.9363, 85.8790

Sweetspot

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



37.7358, 23.9376, 12.7569



74.9776, 70.2814, 70.0669



47.0499, 27.3125, 77.6546



15.5008, 14.2345, 13.9315



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.



37.7358, 23.9376, 12.7569



44.0829, 25.0843, 8.6166



44.7095, 38.4151, 13.4477



14.4088, 14.3807, 15.0873



18.5286, 9.5456, 1.1465



1.3805, 0.7099, 0.1444

Inverse Universe

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



37.7358, 23.9376, 12.7569



44.0829, 25.0843, 8.6166



31.7104, 35.1395, 79.9738



14.4088, 14.3807, 15.0873



18.5286, 9.5456, 1.1465



1.3805, 0.7099, 0.1444

Previews

White Background



This preview shows how the XYZ color 37.7352, 23.9363, 12.7565 looks on a white background.

Color Contrast Check

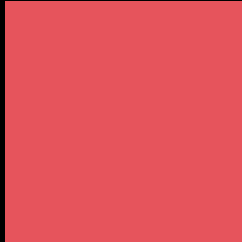
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.7352, 23.9363, 12.7565 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 37.7352, 23.9363, 12.7565

Background



This preview shows how black text looks on a background with the XYZ color 37.7352, 23.9363, 12.7565.



This preview shows how white text looks on a background with the XYZ color 37.7352, 23.9363,

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

37.7352, 23.9363, 12.7565

Protanopia

22.7177, 24.0159, 19.3578

Deuteranopia

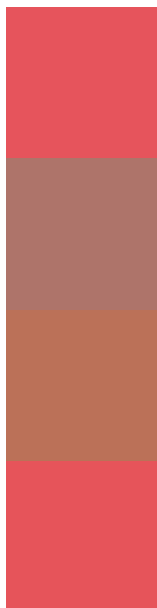
24.5942, 24.1429, 11.9581



Tritanopia

37.6066, 23.8849, 12.0794

Trichromacy



Original Color

37.7352, 23.9363, 12.7565

Protanomaly

26.3025, 22.5301, 16.5981

Deuteranomaly

28.1601, 23.0796, 12.2031

Tritanomaly

37.6489, 23.9018, 12.3021

Monochromacy



Original Color

37.7352, 23.9363, 12.7565

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

24.7834, 21.1782, 19.3046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7352, 23.9363, 12.7565 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(230, 84, 92)` looks like.

```
.text, #text, p{  
    color:rgb(230, 84, 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(230, 84, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 84, 92) }
```

Border

The CSS property to change the border of an element to XYZ 37.7352, 23.9363, 12.7565 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(230, 84, 92) }
```


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

```
.border{ border-color:rgb(230, 84, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 84, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 84, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 84, 92);  
box-shadow:4px 4px 4px 4px rgb(230, 84,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7352, 23.9363, 12.7565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 84, 92) }
```

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

```
.background{ background-color: rgb(230, 84,  
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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