

Converting Colors

XYZ(37.0774, 24.4585, 9.9681)

Have a look what the booklet for
XYZ(37.0774, 24.4585, 9.9681)
contains.

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Color

**XYZ(37.1111, 24.5262,
9.9858)**

Conversions

Conversions Part 1

Format	Color
Hex	E45B4E
RGB	228, 91, 78
RGB Percent	89%, 36%, 31%
CMY	0.1059, 0.6431, 0.6941
CMYK	0.00, 0.60, 0.66, 0.11
HSL	5°, 74%, 60%
HSV	5°, 66%, 89%
XYZ	37.1111, 24.5262, 9.9858
YIQ	130.4810, 85.8250, 25.0010

Conversions

Conversions Part 2

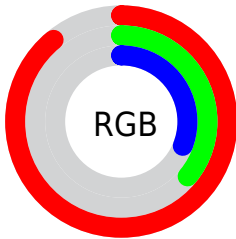
Format	Color
R_{YB}	228, 92, 78
Decimal	14965582
CIE _{Lab}	56.61, 52.47, 35.00
CIE _{LCh}	57, 63.071, 33.704
Yxy	24.5262, 0.5181, 0.3424
Android (android.graphics.Color)	4293155662 (0xFFE45B4E)
YUV	130.4810, -25.8731, 85.5242
Hunter-Lab	49.5239, 47.0933, 22.7118

Details

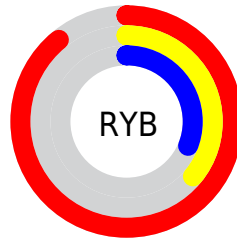
The XYZ color **37.1111, 24.5262, 9.9858** is a dark color, and the websafe version is hex **FF6666**. The color can be described as dark muted red. A complement of this color would be **41.4437, 55.8177, 81.9878**, and the grayscale version is **21.4572, 22.5747, 24.5838**.

A 20% lighter version of the original color is **55.3496, 43.3501, 25.5288**, and **16.5443, 9.3045, 2.3628** is the 20% darker color. If you saturate the color by 10%, you get **34.8909, 21.1752, 5.8880**, and if you desaturate by 10%, it is **40.1095, 28.9807, 15.7407**.

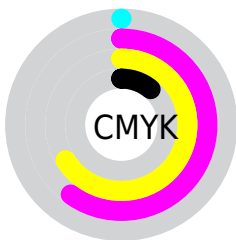
Distribution



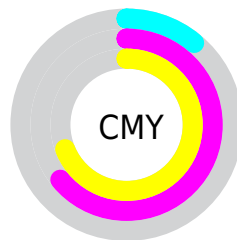
- Red (89%)
- Green (36%)
- Blue (31%)



- Red (89%)
- Yellow (36%)
- Blue (31%)



- Cyan (0%)
- Magenta (60%)
- Yellow (66%)
- Black (11%)





- Cyan (11%)
- Magenta (64%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1111, 24.5262, 9.9858 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 37.1111, 24.5262, 9.9858 by changing the saturation by 10% instead.

 37.1111, 24.5262,
9.9858


 37.1111, 24.5262,
9.9858


325.1385,
275.4701, 201.0518


 25.4676, 15.7244,
5.2841


 70.0563, 50.8875,
26.3762

 16.5564, 9.3294,
2.3532


 92.0888, 69.2159,
38.9019

 10.0120, 4.9566,
0.7608


 118.3149, 91.4885,
54.8727

 5.4693, 2.2218,
0.0000

 149.1001,
118.0898, 74.7071

 2.5627, 0.7319,
0.0000

 184.8097,
149.4043, 98.8237

 0.9270, 0.0000,
0.0000

225.8091,

 0.0000, 0.0000,

185.8162, 127.6410

0.0000

272.4635,
227.7100, 161.5775

■ 37.1111, 24.5262,
9.9858

■ 37.1111, 24.5262,
9.9858

■ 34.8909, 21.1752,
5.8880

■ 40.1095, 28.9807,
15.7407

■ 33.3744, 18.8275,
3.2703

■ 43.9478, 34.6195,
23.3026


■ 32.4755, 17.3713,
1.9171


■ 48.6837, 41.5206,
32.8062


■ 32.2408, 16.9862,
1.5794

■ 54.3690, 49.7540,
44.3729

■ 61.0517, 59.3847,
58.1141

 68.7766, 70.4735,
74.1335

 77.5856, 83.0775,
92.5278

 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.



40.3929, 24.5262, 24.1813



37.1111, 24.5262, 9.9858



30.1287, 24.5262, 4.4028

Triad

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



37.1111, 24.5262, 9.9858



12.8219, 24.5262, 12.5181



24.2338, 24.5262, 90.6251

Complementary

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



37.1111, 24.5262, 9.9858



41.4437, 55.8177, 81.9878

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.



17.6088, 24.5262, 81.6940



37.1111, 24.5262, 9.9858



11.8863, 24.5262, 29.3982

Square

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



37.1111, 24.5262, 9.9858



16.3330, 24.5262, 5.2342



13.4428, 24.5262, 55.9465



32.0389, 24.5262, 76.3214

Rectangle

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



37.1111, 24.5262, 9.9858



24.8913, 24.5262, 3.3229



13.4428, 24.5262, 55.9465



21.7998, 24.5262, 90.2662

Sweetspot

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



37.1117, 24.5276, 9.9862



74.7981, 70.9378, 66.8768



47.0492, 26.8748, 67.3345



15.4945, 14.4407, 13.2555



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.



37.1117, 24.5276, 9.9862



44.1498, 26.0311, 6.1324



46.9153, 44.1349, 13.2541



14.4770, 14.5678, 14.9533



18.6527, 9.8796, 0.9238



1.4132, 0.7998, 0.0799

Inverse Universe

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



41.4437, 55.8177, 81.9878



49.9853, 68.8679, 105.2661



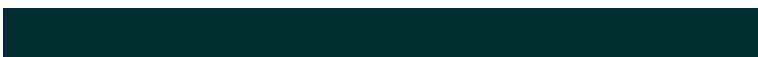
26.5968, 26.1238, 77.0388



14.6950, 16.1113, 18.4796



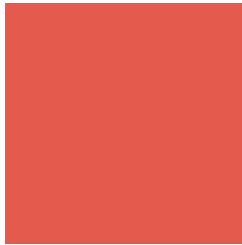
21.1871, 29.4362, 46.9483



1.5972, 2.2384, 3.4798

Previews

White Background



This preview shows how the XYZ color 37.1111, 24.5262, 9.9858 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 37.1111, 24.5262, 9.9858 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 37.1111, 24.5262, 9.9858

Background



This preview shows how black text looks on a background with the XYZ color 37.1111, 24.5262, 9.9858.



This preview shows how white text looks on a background with the XYZ color 37.1111, 24.5262,

9.9858.

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

37.1111, 24.5262, 9.9858

Protanopia

22.9023, 24.6376, 14.3749

Deuteranopia

25.0563, 24.6357, 9.3958



Tritanopia

37.9059, 24.6109, 13.3422

Trichromacy



Original Color

37.1111, 24.5262, 9.9858

Protanomaly

26.4241, 23.3843, 12.5721

Deuteranomaly

28.4677, 23.8040, 9.5728

Tritanomaly

37.7307, 24.6749, 12.0066

Monochromacy



Original Color

37.1111, 24.5262, 9.9858

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

24.8405, 21.7455, 17.9270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1111, 24.5262, 9.9858 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, 78)` looks like.

```
.text, #text, p{  
    color:rgb(228, 91, 78)  
}
```

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, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 91, 78) }
```

Border

The CSS property to change the border of an element to XYZ 37.1111, 24.5262, 9.9858 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, 78) }
```


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

```
.border{ border-color:rgb(228, 91, 78) }
```

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, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 91, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 91, 78);  
box-shadow:4px 4px 4px 4px rgb(228, 91,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1111, 24.5262, 9.9858 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, 78) }
```

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

```
.background{ background-color: rgb(228, 91,  
78) }
```

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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