

Converting Colors

XYZ(37.2070, 25.1568, 10.1045)

Have a look what the booklet for
XYZ(37.2070, 25.1568, 10.1045)
contains.

XYZ(37.1459, 25.0654, 10.0880)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.1459, 25.0654,
10.0880)**

Conversions

Conversions Part 1

Format	Color
Hex	E35F4E
RGB	227, 95, 78
RGB Percent	89%, 37%, 31%
CMY	0.1098, 0.6274, 0.6941
CMYK	0.00, 0.58, 0.66, 0.11
HSL	7°, 73%, 60%
HSV	7°, 66%, 89%
XYZ	37.1459, 25.0654, 10.0880
YIQ	132.5300, 84.1290, 22.6970

Conversions

Conversions Part 2

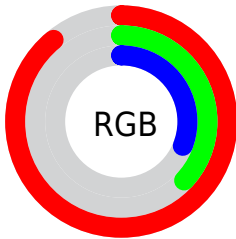
Format	Color
R_{YB}	227, 97, 78
Decimal	14901070
CIE _{Lab}	57.14, 50.31, 35.60
CIE _{LCh}	57, 61.631, 35.287
Yxy	25.0654, 0.5138, 0.3467
Android (android.graphics.Color)	4293091150 (0xFFE35F4E)
YUV	132.5300, -26.8833, 82.8502
Hunter-Lab	50.0654, 44.8234, 23.0990

Details

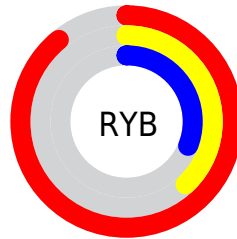
The XYZ color **37.1459, 25.0654, 10.0880** is a dark color, and the websafe version is hex **FF6666**. The color can be described as dark muted red. A complement of this color would be **40.0515, 53.2548, 80.8408**, and the grayscale version is **22.1977, 23.3537, 25.4322**.

A 20% lighter version of the original color is **55.8837, 44.3134, 26.0300**, and **16.5171, 9.5602, 2.4136** is the 20% darker color. If you saturate the color by 10%, you get **34.8844, 21.6281, 5.9884**, and if you desaturate by 10%, it is **40.1568, 29.5527, 15.8229**.

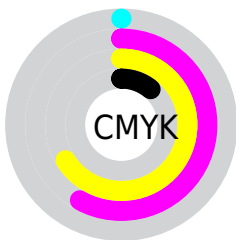
Distribution



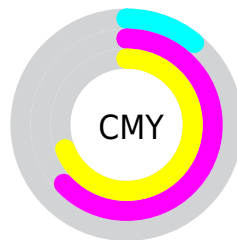
- Red (89%)
- Green (37%)
- Blue (31%)



- Red (89%)
- Yellow (38%)
- Blue (31%)



- Cyan (0%)
- Magenta (58%)
- Yellow (66%)
- Black (11%)





- Cyan (11%)
- Magenta (63%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1459, 25.0654, 10.0880 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 37.1459, 25.0654, 10.0880 by changing the saturation by 10% instead.

 37.1459, 25.0654,
10.0880


 37.1459, 25.0654,
10.0880

325.2863,
278.1635, 201.8066

 25.4947, 16.1258,
5.3510


 70.1095, 51.7633,
26.5713

 16.5767, 9.6132,
2.3923


 92.1526, 70.2904,
39.1546


 10.0266, 5.1433,
0.7823


 118.3903, 92.7821,
55.1905

 5.4790, 2.3316,
0.0000

 149.1881,
119.6228, 75.0974

 2.5686, 0.7903,
0.0000

 184.9112,
151.1969, 99.2940

 0.9300, 0.0000,
0.0000

225.9250,

 0.0000, 0.0000,

187.8887, 128.1986

0.0000

272.5950,
230.0828, 162.2300

■ 37.1459, 25.0654,
10.0880

■ 37.1459, 25.0654,
10.0880

■ 34.8844, 21.6281,
5.9884

■ 40.1568, 29.5527,
15.8229

■ 33.3036, 19.1509,
3.3509

■ 43.9742, 35.1620,
23.3399

■ 32.3243, 17.5359,
1.9654

■ 48.6516, 41.9636,
32.7707

■ 32.0458, 17.0656,
1.6050

■ 54.2375, 50.0208,
44.2344

■ 60.7766, 59.3927,
57.8401

■ 68.3107, 70.1345,
73.6895

■ 76.8792, 82.2980,
91.8776

■ 85.4883, 95.0708,
108.4525

Harmonies

Analogous

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



40.6209, 25.0654, 23.7681



37.1459, 25.0654, 10.0880



30.1558, 25.0654, 4.6915

Triad

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



37.1459, 25.0654, 10.0880



13.2519, 25.0654, 13.7480



25.1348, 25.0654, 89.6744

Complementary

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



37.1459, 25.0654, 10.0880



40.0515, 53.2548, 80.8408

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.



18.4469, 25.0654, 82.1704



37.1459, 25.0654, 10.0880



12.4436, 25.0654, 31.1479

Square

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



37.1459, 25.0654, 10.0880



16.6296, 25.0654, 5.9264



14.1419, 25.0654, 57.5488



32.8413, 25.0654, 74.7192

Rectangle

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



37.1459, 25.0654, 10.0880



24.9904, 25.0654, 3.6827



14.1419, 25.0654, 57.5488



22.6943, 25.0654, 89.7517

Sweetspot

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



37.1465, 25.0668, 10.0884



75.1416, 71.6247, 66.9913



46.2990, 26.5382, 65.0353



15.5750, 14.6016, 13.2823



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.



37.1465, 25.0668, 10.0884



44.5175, 26.7664, 6.2550



46.9456, 44.6650, 13.3548



14.5088, 14.6315, 14.9639



18.7319, 10.0379, 0.9502



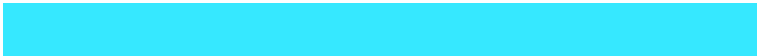
1.4284, 0.8302, 0.0850

Inverse Universe

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



40.0515, 53.2548, 80.8408



48.4054, 65.7080, 104.7394



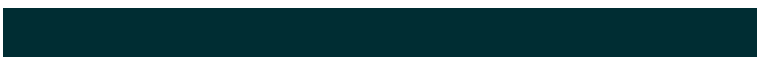
26.0382, 25.2282, 76.1697



14.6596, 16.0406, 18.4678



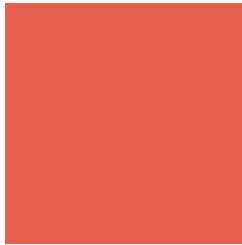
20.3344, 27.7308, 46.6640



1.5428, 2.1294, 3.4617

Previews

White Background



This preview shows how the XYZ color 37.1459, 25.0654, 10.0880 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 37.1459, 25.0654, 10.0880 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 37.1459, 25.0654, 10.0880

Background



This preview shows how black text looks on a background with the XYZ color 37.1459, 25.0654, 10.0880.



This preview shows how white text looks on a background with the XYZ color 37.1459, 25.0654,

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

37.1459, 25.0654, 10.0880

Protanopia

23.5033, 25.3747, 14.2487

Deuteranopia

25.6158, 25.1225, 9.4603



Tritanopia

38.0267, 25.0301, 14.3823

Trichromacy



Original Color

37.1459, 25.0654, 10.0880

Protanomaly

26.8524, 23.9708, 12.4441

Deuteranomaly

28.9497, 24.3984, 9.6621

Tritanomaly

37.7976, 25.0780, 12.7459

Monochromacy



Original Color

37.1459, 25.0654, 10.0880

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

25.5138, 22.6014, 18.6406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1459, 25.0654, 10.0880 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, 95, 78)` looks like.

```
.text, #text, p{  
    color:rgb(227, 95, 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(227, 95, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 95, 78) }
```

Border

The CSS property to change the border of an element to XYZ 37.1459, 25.0654, 10.0880 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, 95, 78) }
```


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

```
.border{ border-color:rgb(227, 95, 78) }
```

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

Here you see how a box with a 4 pixel rgb(227, 95, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 95, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 95, 78);  
box-shadow:4px 4px 4px 4px rgb(227, 95,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1459, 25.0654, 10.0880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 95, 78) }
```

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

```
.background{ background-color: rgb(227, 95,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor