

Converting Colors

XYZ(37.7973, 25.2787, 12.3370)

Have a look what the booklet for
XYZ(37.7973, 25.2787, 12.3370)
contains.

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Color

**XYZ(37.8008, 25.2207,
12.3269)**

Conversions

Conversions Part 1

Format	Color
Hex	E45E59
RGB	228, 94, 89
RGB Percent	89%, 37%, 35%
CMY	0.1059, 0.6313, 0.6510
CMYK	0.00, 0.59, 0.61, 0.11
HSL	2°, 72%, 62%
HSV	2°, 61%, 89%
XYZ	37.8008, 25.2207, 12.3269
YIQ	133.4960, 81.4690, 26.8530

Conversions

Conversions Part 2

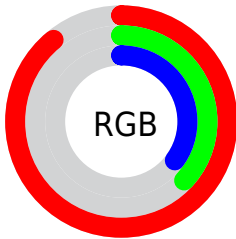
Format	Color
R_{YB}	228, 94, 89
Decimal	14966361
CIE _{Lab}	57.29, 51.79, 29.61
CIE _{LCh}	57, 59.660, 29.756
Yxy	25.2207, 0.5017, 0.3347
Android (android.graphics.Color)	4293156441 (0xFFE45E59)
YUV	133.4960, -21.9365, 82.8800
Hunter-Lab	50.2202, 46.4717, 20.6010

Details

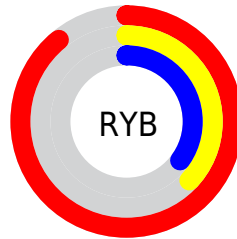
The XYZ color **37.8008, 25.2207, 12.3269** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **44.5088, 60.4961, 82.7295**, and the grayscale version is **22.5331, 23.7066, 25.8165**.

A 20% lighter version of the original color is **56.6476, 44.6190, 30.0528**, and **17.0340, 9.7130, 3.2625** is the 20% darker color. If you saturate the color by 10%, you get **35.3033, 21.5282, 7.4800**, and if you desaturate by 10%, it is **41.1522, 30.1471, 18.9211**.

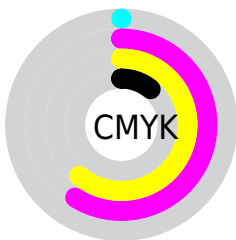
Distribution



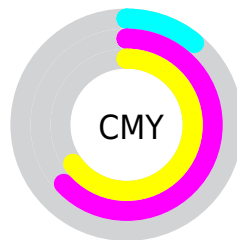
- Red (89%)
- Green (37%)
- Blue (35%)



- Red (89%)
- Yellow (37%)
- Blue (35%)



- Cyan (0%)
- Magenta (59%)
- Yellow (61%)
- Black (11%)





- Cyan (11%)
- Magenta (63%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8008, 25.2207, 12.3269 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 37.8008, 25.2207, 12.3269 by changing the saturation by 10% instead.


 37.8008, 25.2207,
12.3269


 37.8008, 25.2207,
12.3269


328.0603,
278.9353, 217.6118


 26.0046, 16.2416,
6.8415


 71.1086, 52.0150,
30.7624

 16.9598, 9.6952,
3.2862


 93.3509, 70.5990,
44.5495


 10.3010, 5.1974,
1.2426


 119.8060, 93.1534,
61.9409

 5.6628, 2.3635,
0.0140

 150.8392,
120.0626, 83.3552

 2.6798, 0.8070,
0.0000

 186.8159,
151.7110, 109.2109

 0.9868, 0.0000,
0.0000

228.1014,

 0.0000, 0.0000,

188.4830, 139.9265

0.0000

275.0611,
230.7629, 175.9206

■ 37.8008, 25.2207,
12.3269

■ 37.8008, 25.2207,
12.3269

■ 35.3033, 21.5282,
7.4800

■ 41.1522, 30.1471,
18.9211

■ 33.5810, 18.9569,
4.2134

■ 45.4234, 36.3990,
27.4061

■ 32.5434, 17.3805,
2.3298

■ 50.6759, 44.0641,
37.9122

■ 32.0839, 16.6722,
1.5270

■ 56.9655, 53.2215,
50.5575

■ 64.3436, 63.9444,
65.4514

■ 72.8584, 76.3011,
82.6955

■ 82.5551, 90.3561,
102.3853

■ 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.



40.2790, 25.2207, 27.6270



37.8008, 25.2207, 12.3269



31.4835, 25.2207, 5.7012

Triad

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



37.8008, 25.2207, 12.3269



14.0489, 25.2207, 12.1595



23.9137, 25.2207, 87.6101

Complementary

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



37.8008, 25.2207, 12.3269



44.5088, 60.4961, 82.7295

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.



17.7609, 25.2207, 76.6311



37.8008, 25.2207, 12.3269



12.7937, 25.2207, 27.2958

Square

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



37.8008, 25.2207, 12.3269



17.8431, 25.2207, 5.6434



14.0084, 25.2207, 51.6421



31.3635, 25.2207, 76.9598

Rectangle

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



37.8008, 25.2207, 12.3269



26.4688, 25.2207, 4.2144



14.0084, 25.2207, 51.6421



21.6364, 25.2207, 86.2741

Sweetspot

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



37.8014, 25.2221, 12.3273



75.9941, 72.3346, 70.3432



48.9359, 28.9862, 73.0869



15.7022, 14.6630, 13.9201



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.



37.8014, 25.2221, 12.3273



44.8635, 26.7958, 8.4134



46.9188, 43.4569, 15.3665



14.4184, 14.4507, 14.9338



18.5448, 9.6638, 0.8879



1.3852, 0.7437, 0.0705

Inverse Universe

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



44.5088, 60.4961, 82.7295



54.1513, 75.7950, 106.3836



29.6570, 30.7925, 77.7789



14.7606, 16.2426, 18.5015



22.8518, 32.7658, 47.5032



1.7027, 2.4493, 3.5150

Previews

White Background



This preview shows how the XYZ color 37.8008, 25.2207, 12.3269 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 37.8008, 25.2207, 12.3269 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 37.8008, 25.2207, 12.3269

Background



This preview shows how black text looks on a background with the XYZ color 37.8008, 25.2207, 12.3269.



This preview shows how white text looks on a background with the XYZ color 37.8008, 25.2207,

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

37.8008, 25.2207, 12.3269

Protanopia

23.7749, 25.4415, 17.5676

Deuteranopia

25.7106, 25.3272, 11.5162



Tritanopia

38.4796, 25.3876, 14.6766

Trichromacy



Original Color

37.8008, 25.2207, 12.3269

Protanomaly

27.1643, 24.0693, 15.2707

Deuteranomaly

29.1044, 24.4316, 11.7761

Tritanomaly

38.2930, 25.3129, 13.6941

Monochromacy



Original Color

37.8008, 25.2207, 12.3269

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

26.0153, 22.8265, 20.1743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8008, 25.2207, 12.3269 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, 94, 89)` looks like.

```
.text, #text, p{  
    color:rgb(228, 94, 89)  
}
```

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, 94, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 94, 89) }
```

Border

The CSS property to change the border of an element to XYZ 37.8008, 25.2207, 12.3269 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, 94, 89) }
```


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

```
.border{ border-color:rgb(228, 94, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 94, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 94, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 94, 89);  
box-shadow:4px 4px 4px 4px rgb(228, 94,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8008, 25.2207, 12.3269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 94, 89) }
```

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

```
.background{ background-color: rgb(228, 94,  
89) }
```

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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