

Converting Colors

XYZ(37.0455, 24.1695, 12.1819)

Have a look what the booklet for
XYZ(37.0455, 24.1695, 12.1819)
contains.

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Color

**XYZ(37.0541, 24.1969,
12.1687)**

Conversions

Conversions Part 1

Format	Color
Hex	E35959
RGB	227, 89, 89
RGB Percent	89%, 35%, 35%
CMY	0.1098, 0.6509, 0.6510
CMYK	0.00, 0.61, 0.61, 0.11
HSL	0°, 71%, 62%
HSV	0°, 61%, 89%
XYZ	37.0541, 24.1969, 12.1687
YIQ	130.2620, 82.2480, 29.2560

Conversions

Conversions Part 2

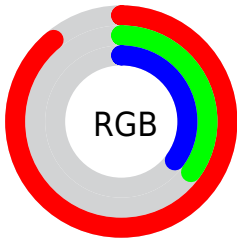
Format	Color
R_{YB}	227, 89, 89
Decimal	14899545
CIE _{Lab}	56.28, 53.69, 28.29
CIE _{LCh}	56, 60.688, 27.787
Yxy	24.1969, 0.5047, 0.3296
Android (android.graphics.Color)	4293089625 (0xFFE35959)
YUV	130.2620, -20.3422, 84.8392
Hunter-Lab	49.1903, 48.3774, 19.7661

Details

The XYZ color **37.0541, 24.1969, 12.1687** 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 **45.4518, 62.6037, 82.3608**, and the grayscale version is **21.3613, 22.4737, 24.4739**.

A 20% lighter version of the original color is **55.8735, 43.0706, 29.7947**, and **16.4174, 9.1023, 3.1771** is the 20% darker color. If you saturate the color by 10%, you get **34.6370, 20.6604, 7.3632**, and if you desaturate by 10%, it is **40.3483, 29.0178, 18.7164**.

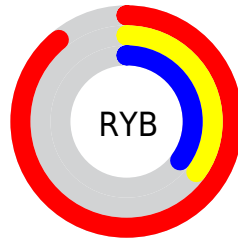
Distribution



Red (89%)

Green (35%)

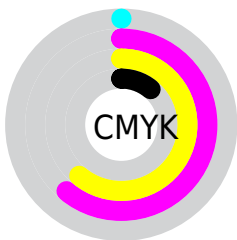
Blue (35%)



Red (89%)

Yellow (35%)

Blue (35%)

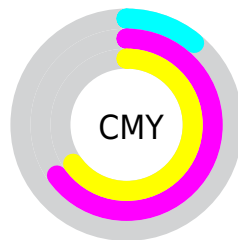


Cyan (0%)

Magenta (61%)

Yellow (61%)

Black (11%)



Cyan (11%)


Magenta (65%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0541, 24.1969, 12.1687 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 37.0541, 24.1969, 12.1687 by changing the saturation by 10% instead.


 37.0541, 24.1969,
12.1687


 37.0541, 24.1969,
12.1687


324.8962,
273.8144, 216.5363


 25.4232, 15.4797,
6.7347


 69.9693, 50.3513,
30.4710

 16.5231, 9.1568,
3.2208


 91.9843, 68.5574,
44.1764


 9.9882, 4.8436,
1.2085


 118.1914, 90.6952,
61.4760

 5.4534, 2.1558,
0.0000

 148.9560,
117.1492, 82.7884

 2.5531, 0.6957,
0.0000

 184.6435,
148.3037, 108.5320

 0.9221, 0.0000,
0.0000

225.6190,

 0.0000, 0.0000,

184.5431, 139.1256

0.0000

272.2482,
226.2519, 174.9875

■ 37.0541, 24.1969,
12.1687

■ 37.0541, 24.1969,
12.1687

■ 34.6370, 20.6604,
7.3632

■ 40.3483, 29.0178,
18.7164

■ 33.0118, 18.2822,
4.1326

■ 44.5908, 35.2258,
27.1501

■ 32.0794, 16.9177,
2.2793

■ 49.8475, 42.9179,
37.6001

■ 31.6785, 16.3311,
1.4826

■ 56.1779, 52.1811,
50.1847

■ 63.6369, 63.0958,
65.0130

■ 72.2759, 75.7370,
82.1870

■ 82.1427, 90.1748,
101.8021

■ 85.4884, 95.0708,
108.4525

Harmonies

Analogous

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



39.2106, 24.1969, 27.8607



37.0541, 24.1969, 12.1687



30.9319, 24.1969, 5.3563

Triad

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



37.0541, 24.1969, 12.1687



13.3990, 24.1969, 10.6944



22.4834, 24.1969, 86.5548

Complementary

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



37.0541, 24.1969, 12.1687



45.4518, 62.6037, 82.3608

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.



16.5526, 24.1969, 74.1684



37.0541, 24.1969, 12.1687



12.0137, 24.1969, 24.8878

Square

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



37.0541, 24.1969, 12.1687



17.2851, 24.1969, 4.8587



13.0403, 24.1969, 48.6701



29.8495, 24.1969, 77.1713

Rectangle

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



37.0541, 24.1969, 12.1687



25.9602, 24.1969, 3.7922



13.0403, 24.1969, 48.6701



20.2710, 24.1969, 84.7065

Sweetspot

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



37.0547, 24.1982, 12.1691



75.5866, 71.5197, 70.2074



49.1159, 29.0217, 75.6857



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.



37.0547, 24.1982, 12.1691



44.4291, 25.9269, 8.2686



45.7085, 41.5059, 15.0537



14.3771, 14.3681, 14.9200



18.4751, 9.5244, 0.8647



1.3653, 0.7039, 0.0639

Inverse Universe

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



45.4518, 62.6037, 82.3608



56.2503, 79.9932, 107.0833



30.2118, 32.1237, 77.2808



14.8074, 16.3363, 18.5171



24.1043, 35.2707, 47.9207



1.7812, 2.6064, 3.5412

Previews

White Background



This preview shows how the XYZ color 37.0541, 24.1969, 12.1687 looks on a white background.

Color Contrast Check

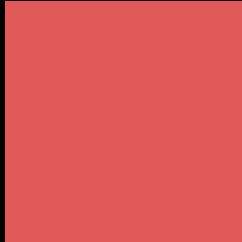
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.0541, 24.1969, 12.1687 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 37.0541, 24.1969, 12.1687

Background



This preview shows how black text looks on a background with the XYZ color 37.0541, 24.1969, 12.1687.



This preview shows how white text looks on a background with the XYZ color 37.0541, 24.1969,

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

37.0541, 24.1969, 12.1687

Protanopia

22.8723, 24.3399, 17.6799

Deuteranopia

24.6831, 24.2022, 11.3532



Tritanopia

37.1887, 24.1185, 13.2850

Trichromacy



Original Color

37.0541, 24.1969, 12.1687

Protanomaly

26.2830, 22.8951, 15.3459

Deuteranomaly

28.1505, 23.2553, 11.5994

Tritanomaly

37.1000, 24.0830, 12.8183

Monochromacy



Original Color

37.0541, 24.1969, 12.1687

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

24.7423, 21.4986, 19.0652

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0541, 24.1969, 12.1687 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, 89, 89)` looks like.

```
.text, #text, p{  
    color:rgb(227, 89, 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(227, 89, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 89, 89) }
```

Border

The CSS property to change the border of an element to XYZ 37.0541, 24.1969, 12.1687 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, 89, 89) }
```


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

```
.border{ border-color:rgb(227, 89, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 89, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 89, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 89, 89);  
box-shadow:4px 4px 4px 4px rgb(227, 89,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0541, 24.1969, 12.1687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 89, 89) }
```

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

```
.background{ background-color: rgb(227, 89,  
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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