

Converting Colors

XYZ(37.2841, 24.4938, 12.5911)

Have a look what the booklet for
XYZ(37.2841, 24.4938, 12.5911)
contains.

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Color

**XYZ(37.3080, 24.5684,
12.6734)**

Conversions

Conversions Part 1	
Format	Color
Hex	E35B5B
RGB	227, 91, 91
RGB Percent	89%, 36%, 36%
CMY	0.1098, 0.6431, 0.6431
CMYK	0.00, 0.60, 0.60, 0.11
HSL	0°, 71%, 62%
HSV	0°, 60%, 89%
XYZ	37.3080, 24.5684, 12.6734
YIQ	131.6640, 81.0560, 28.8320

Conversions

Conversions Part 2

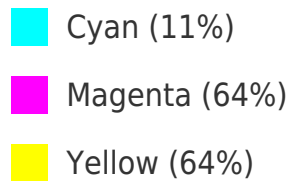
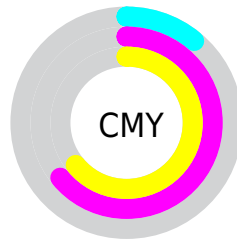
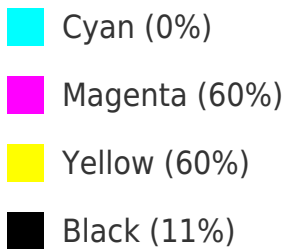
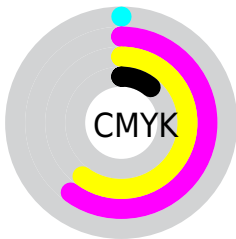
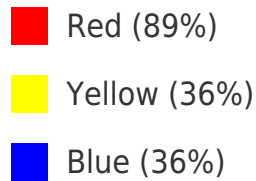
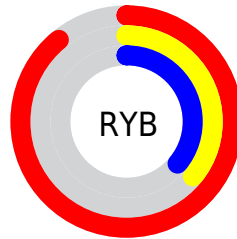
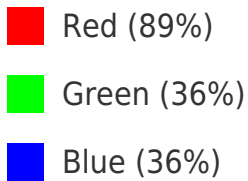
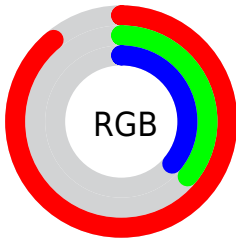
Format	Color
RYB	227, 91, 91
Decimal	14900059
CIELab	56.65, 52.94, 27.61
CIELCh	57, 59.705, 27.548
Yxy	24.5684, 0.5004, 0.3296
Android (android.graphics.Color)	4293090139 (0xFFE35B5B)
YUV	131.6640, -20.0474, 83.6097
Hunter-Lab	49.5665, 47.6129, 19.5370

Details

The XYZ color **37.3080, 24.5684, 12.6734** 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 **45.6465, 62.7042, 82.3700**, and the grayscale version is **21.8616, 23.0001, 25.0471**.

A 20% lighter version of the original color is **56.3266, 43.7409, 30.6734**, and **16.7434, 9.3842, 3.4115** is the 20% darker color. If you saturate the color by 10%, you get **34.8169, 20.9237, 7.7207**, and if you desaturate by 10%, it is **40.6830, 29.5076, 19.3818**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3080, 24.5684, 12.6734 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 37.3080, 24.5684, 12.6734 by changing the saturation by 10% instead.


 37.3080, 24.5684,
12.6734


 37.3080, 24.5684,
12.6734

325.9745,
275.6817, 219.9476


 25.6208, 15.7558,
7.0760


 70.3570, 50.9562,
31.3983

 16.6714, 9.3515,
3.4305


 92.4495, 69.3001,
45.3629

 10.0943, 4.9712,
1.3184


 118.7412, 91.5900,
62.9535

 5.5243, 2.2304,
0.0768

 149.5974,
118.2101, 84.5889

 2.5959, 0.7365,
0.0000

185.3835,
149.5450, 110.6874

 0.9439, 0.0000,
0.0000


226.4648,


 0.0000, 0.0000,


185.9789, 141.6677


0.0000


273.2067,
227.8964, 177.9482


 37.3080, 24.5684,
12.6734


 37.3080, 24.5684,
12.6734


 34.8169, 20.9237,
7.7207


 40.6830, 29.5076,
19.3818


 33.1256, 18.4487,
4.3588


 45.0123, 35.8427,
27.9881


 32.1367, 17.0016,
2.3933


 50.3613, 43.6698,
38.6216


 31.6818, 16.3359,
1.4891


 56.7890, 53.0754,
51.3996

 31.6786, 16.3311,
1.4826

 64.3501, 64.1393,
66.4307

 73.0953, 76.9360,
83.8160

 83.0726, 91.5355,
103.6506

 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.



39.3986, 24.5684, 28.4212



37.3080, 24.5684, 12.6734



31.2767, 24.5684, 5.7148

Triad

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



37.3080, 24.5684, 12.6734



13.7971, 24.5684, 11.0274



22.7847, 24.5684, 86.0538

Complementary

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



37.3080, 24.5684, 12.6734



45.6465, 62.7042, 82.3700

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.



16.8928, 24.5684, 73.7510



37.3080, 24.5684, 12.6734



12.3880, 24.5684, 25.1472

Square

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



37.3080, 24.5684, 12.6734



17.7032, 24.5684, 5.1496



13.3985, 24.5684, 48.6274



30.0892, 24.5684, 77.0163

Rectangle

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



37.3080, 24.5684, 12.6734



26.3515, 24.5684, 4.0867



13.3985, 24.5684, 48.6274



20.5883, 24.5684, 84.1830

Sweetspot

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



37.3086, 24.5698, 12.6738



75.5866, 71.5196, 70.2074



49.2847, 29.3592, 75.7421



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.



37.3086, 24.5698, 12.6738



44.6696, 26.2789, 8.7467



45.9650, 41.8826, 15.5593



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.



45.6465, 62.7042, 82.3700



56.4348, 80.0885, 107.0919



30.5777, 32.5666, 77.3471



14.8075, 16.3363, 18.5171



24.1043, 35.2708, 47.9207



1.7812, 2.6064, 3.5412

Previews

White Background



This preview shows how the XYZ color 37.3080, 24.5684, 12.6734 looks on a white background.

Color Contrast Check

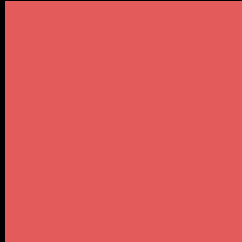
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.3080, 24.5684, 12.6734 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 37.3080, 24.5684, 12.6734

Background



This preview shows how black text looks on a background with the XYZ color 37.3080, 24.5684, 12.6734.



This preview shows how white text looks on a background with the XYZ color 37.3080, 24.5684,

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

37.3080, 24.5684, 12.6734

Protanopia

23.2957, 24.7539, 18.3020

Deuteranopia

25.0999, 24.6047, 11.8138




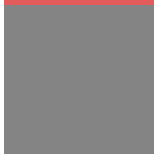

Tritanopia

37.4460, 24.4878, 13.8193

Trichromacy

	Original Color 37.3080, 24.5684, 12.6734
	Protanomaly 26.8438, 23.5262, 15.9581
	Deuteranomaly 28.7047, 23.8703, 12.1113
	Tritanomaly 37.3551, 24.4514, 13.3404

Monochromacy

	Original Color 37.3080, 24.5684, 12.6734
	Achromatopsia 21.9318, 23.0740, 25.1276
	Achromatomaly 25.5085, 22.2224, 19.7745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3080, 24.5684, 12.6734 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, 91, 91) looks like.

```
.text, #text, p{  
    color:rgb(227, 91, 91)  
}
```

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, 91, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 91, 91) }
```

Border

The CSS property to change the border of an element to XYZ 37.3080, 24.5684, 12.6734 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, 91, 91) }
```


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

```
.border{ border-color:rgb(227, 91, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 91, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 91, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 91, 91);  
box-shadow:4px 4px 4px 4px rgb(227, 91,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3080, 24.5684, 12.6734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 91, 91) }
```

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

```
.background{ background-color: rgb(227, 91,  
91) }
```

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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