

Converting Colors

XYZ(37.1812, 22.6118, 9.5728)

Have a look what the booklet for
XYZ(37.1812, 22.6118, 9.5728)
contains.

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Color

**XYZ(37.1026, 22.6034,
9.6151)**

Conversions

Conversions Part 1

Format	Color
Hex	E84A4E
RGB	232, 74, 78
RGB Percent	91%, 29%, 31%
CMY	0.0902, 0.7098, 0.6941
CMYK	0.00, 0.68, 0.66, 0.09
HSL	358°, 77%, 60%
HSV	358°, 68%, 91%
XYZ	37.1026, 22.6034, 9.6151
YIQ	121.6980, 92.8840, 34.7400

Conversions

Conversions Part 2

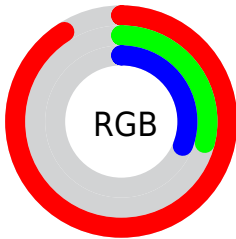
Format	Color
R_{YB}	232, 74, 78
Decimal	15223374
CIE _{Lab}	54.66, 60.84, 32.77
CIE _{LCh}	55, 69.107, 28.305
Yxy	22.6034, 0.5352, 0.3261
Android (android.graphics.Color)	4293413454 (0xFFE84A4E)
YUV	121.6980, -21.5431, 96.7349
Hunter-Lab	47.5430, 56.1012, 21.2893

Details

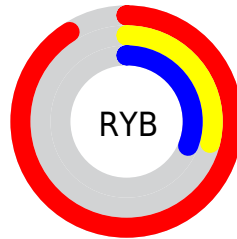
The XYZ color **37.1026, 22.6034, 9.6151** is a dark color, and the websafe version is hex **FF6666**. The color can be described as dark muted red. A complement of this color would be **45.6861, 64.7710, 83.4995**, and the grayscale version is **18.4482, 19.4090, 21.1364**.

A 20% lighter version of the original color is **53.1871, 39.0249, 24.8080**, and **16.6509, 8.5505, 2.2862** is the 20% darker color. If you saturate the color by 10%, you get **35.1529, 19.7864, 5.6296**, and if you desaturate by 10%, it is **39.9028, 26.6761, 15.2591**.

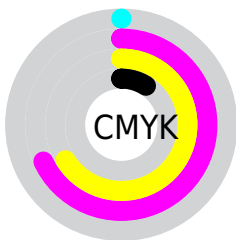
Distribution



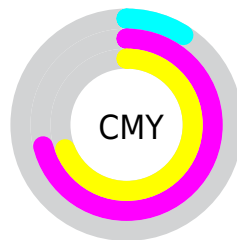
- Red (91%)
- Green (29%)
- Blue (31%)



- Red (91%)
- Yellow (29%)
- Blue (31%)



- Cyan (0%)
- Magenta (68%)
- Yellow (66%)
- Black (9%)





- Cyan (9%)
- Magenta (71%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1026, 22.6034, 9.6151 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 37.1026, 22.6034, 9.6151 by changing the saturation by 10% instead.


 37.1026, 22.6034,
9.6151


 37.1026, 22.6034,
9.6151


325.1023,
265.6814, 198.2864


 25.4610, 14.3009,
5.0423


 70.0434, 47.7413,
25.6654

 16.5514, 8.3303,
2.2129


 92.0732, 65.3455,
37.9799


 10.0085, 4.3070,
0.6818


 118.2965, 86.8191,
53.7121

 5.4669, 1.8467,
0.0000

 149.0786,
112.5464, 73.2804

 2.5613, 0.5161,
0.0000

 184.7849,
142.9119, 97.1035

 0.9263, 0.0000,
0.0000

225.7807,

 0.0000, 0.0000,

178.3000, 125.5998

0.0000

272.4314,
219.0950, 159.1879

■ 37.1026, 22.6034,
9.6151

■ 37.1026, 22.6034,
9.6151

■ 35.1529, 19.7864,
5.6296

■ 39.9028, 26.6761,
15.2591

■ 33.9559, 18.0764,
3.1216

■ 43.6339, 32.1233,
22.7147


■ 33.3820, 17.2737,
1.8664


■ 48.3689, 39.0548,
32.1190


■ 33.3106, 17.1685,
1.7265

■ 54.1730, 47.5678,
43.5955

■ 61.1059, 57.7517,
57.2575

 69.2229, 69.6889,
73.2102

 78.5759, 83.4564,
91.5518

 87.0885, 95.8957,
108.5274

Harmonies

Analogous

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



39.6671, 22.6034, 25.8713



37.1026, 22.6034, 9.6151



30.1196, 22.6034, 3.4081

Triad

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



37.1026, 22.6034, 9.6151



11.2887, 22.6034, 8.5131



21.0541, 22.6034, 94.6966

Complementary

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



37.1026, 22.6034, 9.6151



45.6861, 64.7710, 83.4995

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.



14.6800, 22.6034, 80.2120



37.1026, 22.6034, 9.6151



9.9310, 22.6034, 23.3928

Square

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



37.1026, 22.6034, 9.6151



15.2691, 22.6034, 3.0871



11.0093, 22.6034, 50.2898



29.1906, 22.6034, 82.9668

Rectangle

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



37.1026, 22.6034, 9.6151



24.5867, 22.6034, 2.1620



11.0093, 22.6034, 50.2898



18.6537, 22.6034, 92.6219

Sweetspot

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



37.1031, 22.6047, 9.6155



73.8871, 68.8674, 67.3386



48.6093, 27.0126, 78.9954



15.2817, 13.9571, 13.3630



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.



37.1031, 22.6047, 9.6155



42.8146, 23.4468, 5.4220



45.0638, 38.7481, 11.5844



14.3917, 14.3739, 14.9970



18.4997, 9.5341, 0.9947



1.3723, 0.7066, 0.1011

Inverse Universe

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



37.1031, 22.6047, 9.6155



42.8146, 23.4468, 5.4220



29.6634, 31.8288, 80.9235



14.3917, 14.3739, 14.9970



18.4997, 9.5341, 0.9947



1.3723, 0.7066, 0.1011

Previews

White Background



This preview shows how the XYZ color 37.1026, 22.6034, 9.6151 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 37.1026, 22.6034, 9.6151 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 37.1026, 22.6034, 9.6151

Background



This preview shows how black text looks on a background with the XYZ color 37.1026, 22.6034, 9.6151.



This preview shows how white text looks on a background with the XYZ color 37.1026, 22.6034,

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

37.1026, 22.6034, 9.6151

Protanopia

21.2318, 22.7281, 15.3245

Deuteranopia

23.1057, 22.6740, 8.7889



Tritanopia

37.1026, 22.6034, 9.6151

Trichromacy



Original Color

37.1026, 22.6034, 9.6151

Protanomaly

24.7413, 20.8088, 12.8377

Deuteranomaly

26.8172, 21.3407, 8.8366

Tritanomaly

37.1026, 22.6034, 9.6151

Monochromacy



Original Color

37.1026, 22.6034, 9.6151

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

22.5534, 18.8251, 16.0806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1026, 22.6034, 9.6151 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(232, 74, 78)` looks like.

```
.text, #text, p{  
    color:rgb(232, 74, 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(232, 74, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 74, 78) }
```

Border

The CSS property to change the border of an element to XYZ 37.1026, 22.6034, 9.6151 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(232, 74, 78) }
```


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

```
.border{ border-color:rgb(232, 74, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 74, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 74, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 74, 78);  
box-shadow:4px 4px 4px 4px rgb(232, 74,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1026, 22.6034, 9.6151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 74, 78) }
```

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

```
.background{ background-color: rgb(232, 74,  
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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