

Converting Colors

XYZ(40.1307, 26.3764, 13.5281)

Have a look what the booklet for
XYZ(40.1307, 26.3764, 13.5281)
contains.

XYZ(40.2840, 26.4757, 13.5768)	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(40.2840, 26.4757,
13.5768)**

Conversions

Conversions Part 1

Format	Color
Hex	EB5E5E
RGB	235, 94, 94
RGB Percent	92%, 37%, 37%
CMY	0.0784, 0.6313, 0.6314
CMYK	0.00, 0.60, 0.60, 0.08
HSL	0°, 78%, 65%
HSV	0°, 60%, 92%
XYZ	40.2840, 26.4757, 13.5768
YIQ	136.1590, 84.0360, 29.8920

Conversions

Conversions Part 2

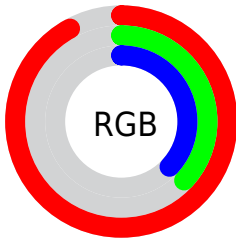
Format	Color
RYB	235, 94, 94
Decimal	15425118
CIELab	58.49, 54.52, 28.51
CIELCh	58, 61.522, 27.603
Yxy	26.4757, 0.5014, 0.3296
Android (android.graphics.Color)	4293615198 (0xFFEB5E5E)
YUV	136.1590, -20.7844, 86.6836
Hunter-Lab	51.4545, 49.7030, 20.3739

Details

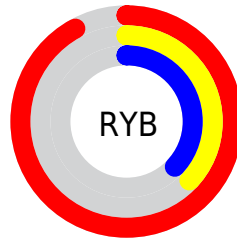
The XYZ color **40.2840, 26.4757, 13.5768** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **49.3174, 67.7897, 89.0822**, and the grayscale version is **23.5158, 24.7404, 26.9423**.

A 20% lighter version of the original color is **57.0215, 44.7685, 32.0214**, and **18.3980, 10.3594, 3.8262** is the 20% darker color. If you saturate the color by 10%, you get **37.6043, 22.5550, 8.2492**, and if you desaturate by 10%, it is **43.9217, 31.7993, 20.8074**.

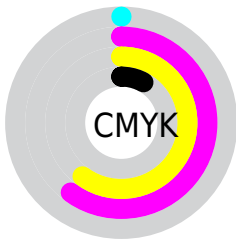
Distribution



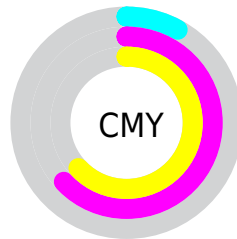
- Red (92%)
- Green (37%)
- Blue (37%)



- Red (92%)
- Yellow (37%)
- Blue (37%)



- Cyan (0%)
- Magenta (60%)
- Yellow (60%)
- Black (8%)





- Cyan (8%)
- Magenta (63%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.2840, 26.4757, 13.5768 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 40.2840, 26.4757, 13.5768 by changing the saturation by 10% instead.


 40.2840, 26.4757,
13.5768


 40.2840, 26.4757,
13.5768


338.4331,
285.1095, 225.9181


 27.9452, 17.1799,
7.6915


 74.8774, 54.0414,
33.0425

 18.4246, 10.3628,
3.8133


 97.8627, 73.0800,
47.4599

 11.3568, 5.6402,
1.5235


 125.1276, 96.1350,
65.5586

 6.3764, 2.6275,
0.2353

 157.0374,
123.5908, 87.7569

 3.1181, 0.9405,
0.0000

193.9575,
155.8317, 114.4735

 1.2165, 0.0000,
0.0000

236.2533,

 0.1194, 0.0000,

193.2422, 146.1269

0.0000

284.2900,
236.2067, 183.1355

■ 0.0000, 0.0000,
0.0000

■ 40.2840, 26.4757,
13.5768

■ 40.2840, 26.4757,
13.5768

■ 37.6043, 22.5550,
8.2492

■ 43.9217, 31.7993,
20.8074

■ 35.7908, 19.9012,
4.6444

■ 48.5943, 38.6367,
30.0960

■ 34.7371, 18.3593,
2.5500

■ 54.3728, 47.0924,
41.5835

■ 34.2609, 17.6624,
1.6035

■ 61.3218, 57.2607,
55.3977

■ 34.2609, 17.6623,
1.6034

■ 69.5006, 69.2286,
71.6569

■ 78.9647, 83.0772,
90.4712

■ 88.0707, 96.4021,
108.5734

Harmonies

Analogous

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



42.5616, 26.4757, 30.5949



40.2840, 26.4757, 13.5768



33.7379, 26.4757, 6.0879

Triad

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



40.2840, 26.4757, 13.5768



14.8195, 26.4757, 11.8402



24.5643, 26.4757, 93.1947

Complementary

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



40.2840, 26.4757, 13.5768



49.3174, 67.7897, 89.0822

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.



18.1822, 26.4757, 79.8671



40.2840, 26.4757, 13.5768



13.3015, 26.4757, 27.1296

Square

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



40.2840, 26.4757, 13.5768



19.0390, 26.4757, 5.4939



14.3985, 26.4757, 52.6003



32.4800, 26.4757, 83.3334

Rectangle

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



40.2840, 26.4757, 13.5768



28.3994, 26.4757, 4.3433



14.3985, 26.4757, 52.6003



22.1848, 26.4757, 91.1767

Sweetspot

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



40.2846, 26.4772, 13.5772



75.5866, 71.5197, 70.2074



53.2588, 31.6657, 81.9018



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.



40.2846, 26.4772, 13.5772



44.6696, 26.2789, 8.7468



49.6463, 45.2005, 16.6978



15.0656, 15.0542, 15.6304



19.0679, 9.8300, 0.8924



1.4973, 0.7719, 0.0701

Inverse Universe

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



49.3174, 67.7897, 89.0822



56.4347, 80.0883, 107.0919



32.9766, 35.1081, 83.6353



15.5177, 17.1218, 19.4092



24.8776, 36.4023, 49.4581



1.9535, 2.8585, 3.8837

Previews

White Background



This preview shows how the XYZ color 40.2840, 26.4757, 13.5768 looks on a white background.

Color Contrast Check

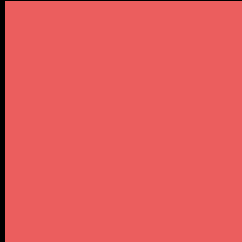
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.2840, 26.4757, 13.5768 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 40.2840, 26.4757, 13.5768

Background



This preview shows how black text looks on a background with the XYZ color 40.2840, 26.4757, 13.5768.



This preview shows how white text looks on a background with the XYZ color 40.2840, 26.4757,

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

40.2840, 26.4757, 13.5768

Protanopia

25.1398, 26.7487, 19.7576

Deuteranopia

27.1789, 26.6740, 12.7329



Tritanopia

40.4274, 26.3917, 14.7677

Trichromacy



Original Color

40.2840, 26.4757, 13.5768

Protanomaly

28.9175, 25.3006, 17.2693

Deuteranomaly

30.8101, 25.6405, 12.9981

Tritanomaly

40.3330, 26.3539, 14.2703

Monochromacy



Original Color

40.2840, 26.4757, 13.5768

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

27.3018, 23.8259, 21.2491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2840, 26.4757, 13.5768 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(235, 94, 94)` looks like.

```
.text, #text, p{  
    color:rgb(235, 94, 94)  
}
```

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(235, 94, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 94, 94) }
```

Border

The CSS property to change the border of an element to XYZ 40.2840, 26.4757, 13.5768 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(235, 94, 94) }
```


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

```
.border{ border-color:rgb(235, 94, 94) }
```

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

Here you see how a box with a 4 pixel rgb(235, 94, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 94, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 94, 94);  
box-shadow:4px 4px 4px 4px rgb(235, 94,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2840, 26.4757, 13.5768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 94, 94) }
```

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

```
.background{ background-color: rgb(235, 94,  
94) }
```

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