

Converting Colors

XYZ(40.4289, 25.6986, 10.4189)

Have a look what the booklet for
XYZ(40.4289, 25.6986, 10.4189)
contains.

XYZ(40.4528, 25.7463, 10.4269)	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(40.4528, 25.7463,
10.4269)**

Conversions

Conversions Part 1

Format	Color
Hex	EF5750
RGB	239, 87, 80
RGB Percent	94%, 34%, 31%
CMY	0.0627, 0.6588, 0.6863
CMYK	0.00, 0.64, 0.67, 0.06
HSL	3°, 83%, 63%
HSV	3°, 67%, 94%
XYZ	40.4528, 25.7463, 10.4269
YIQ	131.6500, 92.8390, 30.0470

Conversions

Conversions Part 2

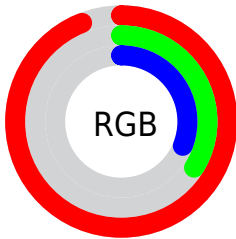
Format	Color
R_{YB}	239, 87, 80
Decimal	15685456
CIE Lab	57.80, 58.02, 35.73
CIE LCh	58, 68.140, 31.628
Yxy	25.7463, 0.5279, 0.3360
Android (android.graphics.Color)	4293875536 (0xFFEF5750)
YUV	131.6500, -25.4635, 94.1459
Hunter-Lab	50.7408, 53.5116, 23.3349

Details

The XYZ color **40.4528, 25.7463, 10.4269** 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 **47.7424, 65.6457, 91.8155**, and the grayscale version is **21.8726, 23.0117, 25.0597**.

A 20% lighter version of the original color is **55.0917, 42.5166, 26.4220**, and **18.5143, 9.9642, 2.5376** is the 20% darker color. If you saturate the color by 10%, you get **38.1553, 22.3224, 6.0520**, and if you desaturate by 10%, it is **43.6505, 30.4689, 16.6508**.

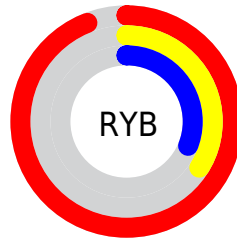
Distribution



Red (94%)

Green (34%)

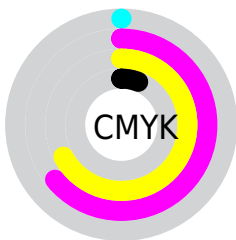
Blue (31%)



Red (94%)

Yellow (34%)

Blue (31%)

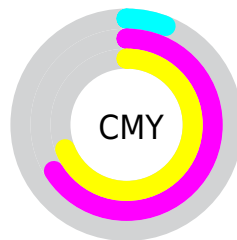


Cyan (0%)

Magenta (64%)

Yellow (67%)

Black (6%)



Cyan (6%)


Magenta (66%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4528, 25.7463, 10.4269 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 40.4528, 25.7463, 10.4269 by changing the saturation by 10% instead.


 40.4528, 25.7463,
10.4269


 40.4528, 25.7463,
10.4269


339.1302,
281.5345, 204.2866


 28.0775, 16.6339,
5.5736


 75.1325, 52.8654,
27.2157

 18.5249, 9.9738,
2.5230


 98.1676, 71.6409,
39.9883


 11.4294, 5.3816,
0.8523


 125.4868, 94.4063,
56.2377

 6.4259, 2.4729,
0.0000

 157.4553,
121.5458, 76.3826

 3.1488, 0.8630,
0.0000

 194.4386,
153.4441, 100.8413

 1.2329, 0.0000,
0.0000

236.8019,

 0.1321, 0.0000,

190.4853, 130.0326

0.0000

284.9106,
233.0540, 164.3748

■ 0.0000, 0.0000,
0.0000

■ 40.4528, 25.7463,
10.4269

■ 40.4528, 25.7463,
10.4269

■ 38.1553, 22.3224,
6.0520

■ 43.6505, 30.4689,
16.6508

■ 36.6638, 20.0639,
3.3212

■ 47.8265, 36.5976,
24.8968


■ 35.8659, 18.8168,
1.9800


■ 53.0524, 44.2337,
35.3193


■ 35.7108, 18.5794,
1.7040

■ 59.3926, 53.4678,
48.0575

■ 66.9066, 64.3836,
63.2391

 75.6492, 77.0588,
80.9824

 85.6722, 91.5663,
101.3978

 89.4064, 97.0906,
108.6359

Harmonies

Analogous

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



43.7977, 25.7463, 26.7735



40.4528, 25.7463, 10.4269



32.7309, 25.7463, 4.1449

Triad

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



40.4528, 25.7463, 10.4269



13.0780, 25.7463, 11.6153



24.9205, 25.7463, 101.4567

Complementary

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



40.4528, 25.7463, 10.4269



47.7424, 65.6457, 91.8155

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.



17.7328, 25.7463, 89.2696



40.4528, 25.7463, 10.4269



11.8769, 25.7463, 29.3321

Square

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



40.4528, 25.7463, 10.4269



17.1159, 25.7463, 4.5129



13.3744, 25.7463, 58.9057



33.6791, 25.7463, 86.5293

Rectangle

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



40.4528, 25.7463, 10.4269



26.8332, 25.7463, 2.9135



13.3744, 25.7463, 58.9057



22.2519, 25.7463, 100.3719

Sweetspot

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



40.4534, 25.7478, 10.4273



74.2701, 69.8818, 66.7008



53.2733, 30.0114, 80.6007



15.3711, 14.1937, 13.2143



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.



40.4534, 25.7478, 10.4273



43.4530, 24.7299, 5.6151



50.4636, 45.7681, 13.7640



15.8287, 15.8705, 16.3788



19.7593, 10.3167, 0.9499



1.6633, 0.8973, 0.0855

Inverse Universe

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



47.7424, 65.6457, 91.8155



52.3734, 73.8402, 106.1000



30.4770, 31.1149, 86.0604



16.1842, 17.8025, 20.3048



24.0387, 34.3017, 50.4818



2.0181, 2.8903, 4.2057

Previews

White Background



This preview shows how the XYZ color 40.4528, 25.7463, 10.4269 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 40.4528, 25.7463, 10.4269 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 40.4528, 25.7463, 10.4269

Background



This preview shows how black text looks on a background with the XYZ color 40.4528, 25.7463, 10.4269.



This preview shows how white text looks on a background with the XYZ color 40.4528, 25.7463,

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

40.4528, 25.7463, 10.4269

Protanopia

24.1105, 25.8694, 15.7791

Deuteranopia

26.3518, 25.9009, 9.7414



Tritanopia

40.6906, 25.5859, 12.4668

Trichromacy



Original Color

40.4528, 25.7463, 10.4269

Protanomaly

27.9837, 24.1683, 13.5460

Deuteranomaly

30.2803, 24.7345, 9.8349

Tritanomaly

40.6041, 25.6782, 11.6204

Monochromacy



Original Color

40.4528, 25.7463, 10.4269

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

26.0206, 22.3410, 18.5636

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4528, 25.7463, 10.4269 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(239, 87, 80)` looks like.

```
.text, #text, p{  
    color:rgb(239, 87, 80)  
}
```

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(239, 87, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 87, 80) }
```

Border

The CSS property to change the border of an element to XYZ 40.4528, 25.7463, 10.4269 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(239, 87, 80) }
```


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

```
.border{ border-color:rgb(239, 87, 80) }
```

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

Here you see how a box with a 4 pixel rgb(239, 87, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 87, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 87, 80);  
box-shadow:4px 4px 4px 4px rgb(239, 87,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4528, 25.7463, 10.4269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 87, 80) }
```

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

```
.background{ background-color: rgb(239, 87,  
80) }
```

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