

Converting Colors

XYZ(40.0972, 27.7979, 12.9439)

Have a look what the booklet for
XYZ(40.0972, 27.7979, 12.9439)
contains.

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Color

**XYZ(40.0745, 27.7946,
12.9256)**

Conversions

Conversions Part 1

Format	Color
Hex	E8685A
RGB	232, 104, 90
RGB Percent	91%, 41%, 35%
CMY	0.0902, 0.5921, 0.6471
CMYK	0.00, 0.55, 0.61, 0.09
HSL	6°, 76%, 63%
HSV	6°, 61%, 91%
XYZ	40.0745, 27.7946, 12.9256
YIQ	140.6760, 80.7820, 22.7820

Conversions

Conversions Part 2

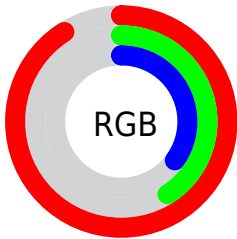
Format	Color
R_{YB}	232, 106, 90
Decimal	15231066
CIE _{Lab}	59.70, 48.62, 32.23
CIE _{LCh}	60, 58.333, 33.537
Yxy	27.7946, 0.4960, 0.3440
Android (android.graphics.Color)	4293421146 (0xFFE8685A)
YUV	140.6760, -24.9833, 80.0911
Hunter-Lab	52.7206, 43.4222, 22.3682

Details

The XYZ color **40.0745, 27.7946, 12.9256** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted orange. A complement of this color would be **43.8515, 58.1390, 85.2543**, and the grayscale version is **25.2640, 26.5797, 28.9453**.

A 20% lighter version of the original color is **58.2005, 47.6072, 30.9325**, and **18.3898, 11.1210, 3.5602** is the 20% darker color. If you saturate the color by 10%, you get **37.3863, 23.7598, 7.8946**, and if you desaturate by 10%, it is **43.5939, 32.9993, 19.7540**.

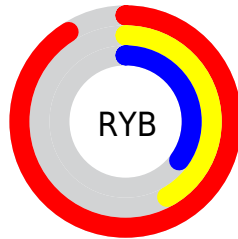
Distribution



Red (91%)

Green (41%)

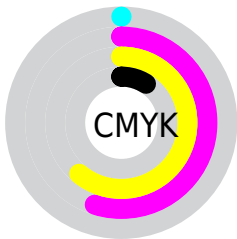
Blue (35%)



Red (91%)

Yellow (42%)

Blue (35%)

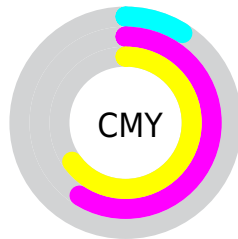


Cyan (0%)

Magenta (55%)

Yellow (61%)

Black (9%)



Cyan (9%)


Magenta (59%)

Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0745, 27.7946, 12.9256 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 40.0745, 27.7946, 12.9256 by changing the saturation by 10% instead.


 40.0745, 27.7946,
12.9256


 40.0745, 27.7946,
12.9256


337.5665,
291.4841, 221.6314

 27.7811, 18.1709,
7.2472


 74.5606, 56.1563,
31.8593

 18.3003, 11.0727,
3.5364


 97.4839, 75.6632,
45.9517

 11.2668, 6.1158,
1.3746


 124.6814, 99.2331,
63.6858

 6.3152, 2.9156,
0.1218

 156.5182,
127.2507, 85.4802

 3.0802, 1.0878,
0.0000

193.3597,
160.1001, 111.7534

 1.1963, 0.0000,
0.0000

235.5714,

 0.1034, 0.0000,

198.1659, 142.9240

0.0000

283.5186,
241.8325, 179.4104

■ 0.0000, 0.0000,
0.0000

■ 40.0745, 27.7946,
12.9256

■ 40.0745, 27.7946,
12.9256

■ 37.3863, 23.7598,
7.8946

■ 43.5939, 32.9993,
19.7540

■ 35.4584, 20.8000,
4.4897

■ 48.0039, 39.4504,
28.5268

■ 34.2109, 18.8125,
2.5088

■ 53.3604, 47.2229,
39.3775

■ 33.5827, 17.7639,
1.6588

■ 59.7144, 56.3850,
52.4272

■ 67.1132, 66.9999,
67.7880

■ 75.6009, 79.1269,
85.5642

■ 85.2192, 92.8222,
105.8537

■ 87.0886, 95.8957,
108.5274

Harmonies

Analogous

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



43.2323, 27.7946, 27.8284



40.0745, 27.7946, 12.9256



33.2477, 27.7946, 6.5338

Triad

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



40.0745, 27.7946, 12.9256



15.6559, 27.7946, 15.5442



27.3018, 27.7946, 91.5142

Complementary

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



40.0745, 27.7946, 12.9256



43.8515, 58.1390, 85.2543

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.



20.5940, 27.7946, 83.0603



40.0745, 27.7946, 12.9256



14.6499, 27.7946, 32.8369

Square

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



40.0745, 27.7946, 12.9256



19.3380, 27.7946, 7.4769



16.2808, 27.7946, 58.6722



35.0441, 27.7946, 78.2486

Rectangle

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



40.0745, 27.7946, 12.9256



28.0449, 27.7946, 5.1994



16.2808, 27.7946, 58.6722



24.8551, 27.7946, 91.1372

Sweetspot

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



40.0752, 27.7961, 12.9261



76.7134, 73.7732, 70.5830



49.8751, 29.6444, 70.9189



15.8735, 15.0054, 13.9772



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.



40.0752, 27.7961, 12.9261



45.7349, 28.5386, 8.7038



50.0357, 47.7172, 16.2463



14.4908, 14.5955, 14.9579



18.6850, 9.9442, 0.9346



1.4198, 0.8130, 0.0821

Inverse Universe

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



43.8515, 58.1390, 85.2543



50.6731, 68.8388, 105.2242



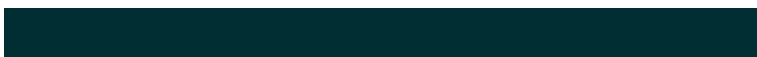
29.5559, 29.5477, 80.4891



14.6796, 16.0806, 18.4745



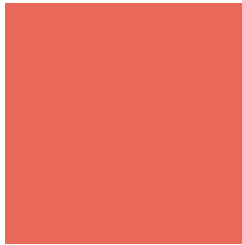
20.8123, 28.6867, 46.8233



1.5733, 2.1906, 3.4719

Previews

White Background



This preview shows how the XYZ color 40.0745, 27.7946, 12.9256 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 40.0745, 27.7946, 12.9256 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 40.0745, 27.7946, 12.9256

Background



This preview shows how black text looks on a background with the XYZ color 40.0745, 27.7946, 12.9256.



This preview shows how white text looks on a background with the XYZ color 40.0745, 27.7946,

12.9256.

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

40.0745, 27.7946, 12.9256

Protanopia

26.0923, 27.9557, 17.6564

Deuteranopia

28.5932, 28.0472, 12.2941



Tritanopia

40.9647, 27.7137, 17.3776

Trichromacy



Original Color

40.0745, 27.7946, 12.9256

Protanomaly

29.6789, 26.6879, 15.6436

Deuteranomaly

31.9055, 27.3294, 12.3976

Tritanomaly

40.7046, 27.7660, 15.5259

Monochromacy



Original Color

40.0745, 27.7946, 12.9256

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

28.6876, 25.8422, 21.8884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0745, 27.7946, 12.9256 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, 104, 90)` looks like.

```
.text, #text, p{  
    color:rgb(232, 104, 90)  
}
```

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, 104, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 104, 90) }
```

Border

The CSS property to change the border of an element to XYZ 40.0745, 27.7946, 12.9256 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, 104, 90) }
```


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

```
.border{ border-color:rgb(232, 104, 90) }
```

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

Here you see how a box with a 4 pixel rgb(232, 104, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 104, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 104, 90);  
box-shadow:4px 4px 4px 4px rgb(232, 104,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0745, 27.7946, 12.9256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 104, 90) }
```

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

```
.background{ background-color: rgb(232,  
104, 90) }
```

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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