

Converting Colors

XYZ(40.8638, 28.4060, 9.0486)

Have a look what the booklet for
XYZ(40.8638, 28.4060, 9.0486)
contains.

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Color

**XYZ(40.7491, 28.3782,
9.1242)**

Conversions

Conversions Part 1

Format	Color
Hex	EC6946
RGB	236, 105, 70
RGB Percent	93%, 41%, 27%
CMY	0.0745, 0.5882, 0.7255
CMYK	0.00, 0.56, 0.70, 0.07
HSL	13°, 81%, 60%
HSV	13°, 70%, 93%
XYZ	40.7491, 28.3782, 9.1242
YIQ	140.1790, 89.3110, 16.8870

Conversions

Conversions Part 2

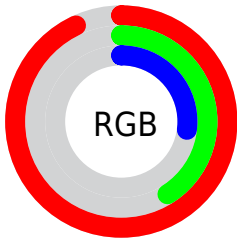
Format	Color
R _Y B	236, 114, 70
Decimal	15493446
CIE Lab	60.23, 48.45, 43.91
CIE LCh	60, 65.384, 42.187
Yxy	28.3782, 0.5207, 0.3627
Android (android.graphics.Color)	4293683526 (0xFFEC6946)
YUV	140.1790, -34.5982, 84.0350
Hunter-Lab	53.2712, 43.3166, 27.1347

Details

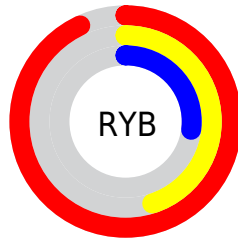
The XYZ color **40.7491, 28.3782, 9.1242** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **38.5509, 49.1279, 86.8070**, and the grayscale version is **25.1039, 26.4113, 28.7619**.

A 20% lighter version of the original color is **57.0283, 47.4123, 23.9151**, and **18.7940, 11.4282, 2.0259** is the 20% darker color. If you saturate the color by 10%, you get **38.4515, 24.7504, 5.3771**, and if you desaturate by 10%, it is **43.7559, 32.9568, 14.5512**.

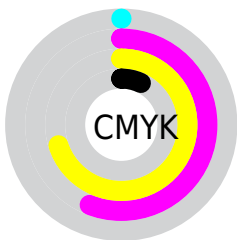
Distribution



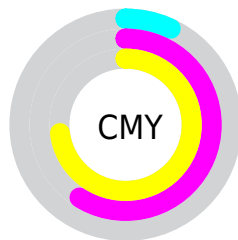
- Red (93%)
- Green (41%)
- Blue (27%)



- Red (93%)
- Yellow (45%)
- Blue (27%)



- Cyan (0%)
- Magenta (56%)
- Yellow (70%)
- Black (7%)





- Cyan (7%)
- Magenta (59%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7491, 28.3782, 9.1242 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 40.7491, 28.3782, 9.1242 by changing the saturation by 10% instead.


 40.7491, 28.3782,
9.1242


 40.7491, 28.3782,
9.1242


340.3514,
294.2697, 194.5538


 28.3099, 18.6109,
4.7244


 75.5800, 57.0877,
24.7162


 18.7010, 11.3895,
2.0306


 98.7024, 76.7987,
36.7454


 11.5572, 6.3295,
0.5740


 126.1165,
100.5931, 52.1548

 6.5130, 3.0464,
0.0000

 158.1878,
128.8553, 71.3629

 3.2030, 1.1560,
0.0000

 195.2816,
161.9697, 94.7884

 1.2620, 0.0253,
0.0000

237.7632,

 0.1545, 0.0000,

200.3206, 122.8496

0.0000

285.9981,
244.2925, 155.9653

■ 0.0000, 0.0000,
0.0000

■ 40.7491, 28.3782,
9.1242

■ 40.7491, 28.3782,
9.1242

■ 38.4515, 24.7504,
5.3771

■ 43.7559, 32.9568,
14.5512

■ 36.7972, 21.9993,
3.1071


■ 47.5254, 38.5436,
21.8265


■ 35.7226, 20.0942,
1.9958


■ 52.1082, 45.1967,
31.0992


■ 57.5495, 52.9687,
42.5030

■ 63.8913, 61.9081,
56.1595

 71.1726, 72.0610,
72.1817

 79.4304, 83.4708,
90.6745

 88.0811, 95.9314,
108.4820

 88.4018, 96.5727,
108.5889

Harmonies

Analogous

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



45.9717, 28.3782, 22.1503



40.7491, 28.3782, 9.1242



32.2042, 28.3782, 4.5062

Triad

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



40.7491, 28.3782, 9.1242



14.3634, 28.3782, 18.8301



30.5167, 28.3782, 101.4468

Complementary

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



40.7491, 28.3782, 9.1242



38.5509, 49.1279, 86.8070

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.



22.3407, 28.3782, 98.8813



40.7491, 28.3782, 9.1242



14.0964, 28.3782, 41.6927

Square

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



40.7491, 28.3782, 9.1242



17.5398, 28.3782, 7.7774



16.7144, 28.3782, 73.3666



39.2956, 28.3782, 79.2108

Rectangle

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



40.7491, 28.3782, 9.1242



26.3627, 28.3782, 3.9295



16.7144, 28.3782, 73.3666



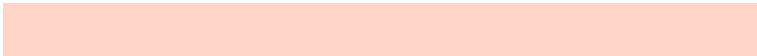
27.5919, 28.3782, 103.6847

Sweetspot

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



40.7497, 28.3798, 9.1247



75.5653, 72.9576, 65.6358



47.5377, 26.5155, 58.9873



15.7067, 14.9593, 13.0356



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.



40.7497, 28.3798, 9.1247



44.9623, 28.0698, 5.1278



53.2984, 53.4770, 13.3076



15.3229, 15.5688, 15.7162



19.7667, 11.2276, 1.1253



1.6203, 1.0180, 0.1111

Inverse Universe

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



38.5509, 49.1279, 86.8070



41.9606, 53.6956, 102.7605



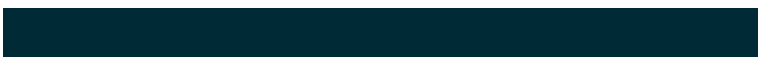
24.3586, 20.7433, 82.0763



15.2324, 16.5512, 19.3141



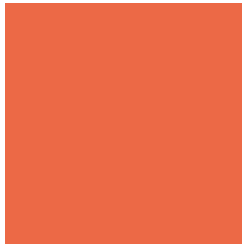
18.1484, 22.9438, 47.2150



1.4924, 1.9363, 3.7300

Previews

White Background



This preview shows how the XYZ color 40.7491, 28.3782, 9.1242 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 40.7491, 28.3782, 9.1242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

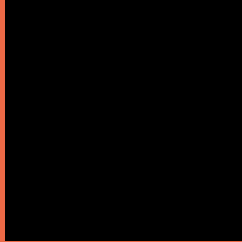
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.7491, 28.3782, 9.1242

Background



This preview shows how black text looks on a background with the XYZ color 40.7491, 28.3782, 9.1242.



This preview shows how white text looks on a background with the XYZ color 40.7491, 28.3782,

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

40.7491, 28.3782, 9.1242

Protanopia

26.3763, 28.6714, 12.5315

Deuteranopia

29.1859, 28.6479, 8.6940



Tritanopia

42.4709, 28.3530, 17.1441

Trichromacy



Original Color

40.7491, 28.3782, 9.1242

Protanomaly

30.2666, 27.4885, 11.1077

Deuteranomaly

32.6601, 27.9896, 8.8354

Tritanomaly

41.6968, 28.3154, 13.8574

Monochromacy



Original Color

40.7491, 28.3782, 9.1242

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

28.3631, 25.5305, 19.6526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7491, 28.3782, 9.1242 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(236, 105, 70)` looks like.

```
.text, #text, p{  
    color:rgb(236, 105, 70)  
}
```

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(236, 105, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 105, 70) }
```

Border

The CSS property to change the border of an element to XYZ 40.7491, 28.3782, 9.1242 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(236, 105, 70) }
```


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

```
.border{ border-color:rgb(236, 105, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 105, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 105, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 105, 70);  
box-shadow:4px 4px 4px 4px rgb(236, 105,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7491, 28.3782, 9.1242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 105, 70) }
```

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

```
.background{ background-color: rgb(236,  
105, 70) }
```

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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