

Converting Colors

XYZ(40.6861, 29.1402, 9.7127)

Have a look what the booklet for
XYZ(40.6861, 29.1402, 9.7127)
contains.

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Color

**XYZ(40.7102, 29.1253,
9.7794)**

Conversions

Conversions Part 1

Format	Color
Hex	EA6E49
RGB	234, 110, 73
RGB Percent	92%, 43%, 29%
CMY	0.0824, 0.5686, 0.7137
CMYK	0.00, 0.53, 0.69, 0.08
HSL	14°, 79%, 60%
HSV	14°, 69%, 92%
XYZ	40.7102, 29.1253, 9.7794
YIQ	142.8580, 85.7810, 14.7810

Conversions

Conversions Part 2

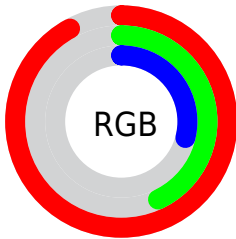
Format	Color
RYB	234, 121, 73
Decimal	15363657
CIELab	60.89, 45.47, 43.01
CIELCh	61, 62.584, 43.406
Yxy	29.1253, 0.5113, 0.3658
Android (android.graphics.Color)	4293553737 (0xFFEA6E49)
YUV	142.8580, -34.4400, 79.9315
Hunter-Lab	53.9679, 40.2062, 27.0337

Details

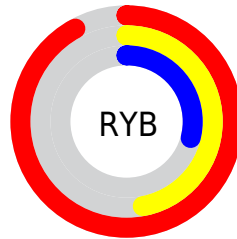
The XYZ color **40.7102, 29.1253, 9.7794** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **37.5636, 47.2863, 84.9888**, and the grayscale version is **26.1618, 27.5242, 29.9739**.

A 20% lighter version of the original color is **58.0906, 49.2410, 25.1816**, and **18.6628, 11.7715, 2.2658** is the 20% darker color. If you saturate the color by 10%, you get **38.3246, 25.3711, 5.8499**, and if you desaturate by 10%, it is **43.7843, 33.7902, 15.3779**.

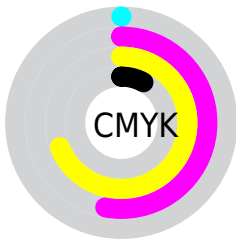
Distribution



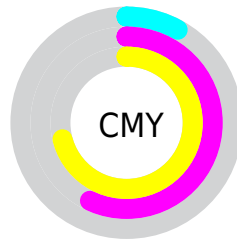
- Red (92%)
- Green (43%)
- Blue (29%)



- Red (92%)
- Yellow (47%)
- Blue (29%)



- Cyan (0%)
- Magenta (53%)
- Yellow (69%)
- Black (8%)





- Cyan (8%)
- Magenta (57%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7102, 29.1253, 9.7794 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 40.7102, 29.1253, 9.7794 by changing the saturation by 10% instead.


 40.7102, 29.1253,
9.7794


 40.7102, 29.1253,
9.7794


340.1913,
297.8057, 199.5176


 28.2794, 19.1756,
5.1493


 75.5213, 58.2761,
25.9810


 18.6779, 11.7973,
2.2748


 98.6322, 78.2460,
38.3896


 11.5404, 6.6058,
0.7171


 126.0339,
102.3248, 54.2281

 6.5015, 3.2168,
0.0000

 158.0917,
130.8969, 73.9149

 3.1959, 1.2459,
0.0000

 195.1710,
164.3466, 97.8688

 1.2582, 0.0988,
0.0000

237.6371,

 0.1516, 0.0000,

203.0584, 126.5082

0.0000

285.8554,
247.4166, 160.2516

■ 0.0000, 0.0000,
0.0000

■ 40.7102, 29.1253,
9.7794

■ 40.7102, 29.1253,
9.7794

■ 38.3246, 25.3711,
5.8499

■ 43.7843, 33.7902,
15.3779

■ 36.5666, 22.4607,
3.3972

■ 47.5962, 39.4168,
22.8057


■ 35.3583, 20.3214,
2.1393


■ 52.1929, 46.0581,
32.2058


■ 35.2407, 20.1108,
2.0244


■ 57.6167, 53.7616,
43.7064

■ 63.9066, 62.5716,
57.4250

 71.0992, 72.5299,
73.4702

 79.2291, 83.6764,
91.9436

 87.4798, 95.7091,
108.4708

 87.7415, 96.2323,
108.5580

Harmonies

Analogous

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



45.9111, 29.1253, 22.3978



40.7102, 29.1253, 9.7794



32.4072, 29.1253, 5.2070

Triad

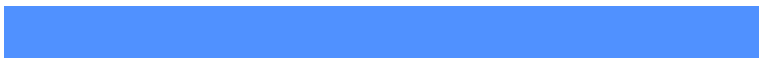
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



40.7102, 29.1253, 9.7794



15.2095, 29.1253, 20.5376



31.4801, 29.1253, 98.5341

Complementary

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



40.7102, 29.1253, 9.7794



37.5636, 47.2863, 84.9888

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.



23.4413, 29.1253, 97.1634



40.7102, 29.1253, 9.7794



15.0585, 29.1253, 43.3066

Square

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



40.7102, 29.1253, 9.7794



18.2444, 29.1253, 8.9949



17.7812, 29.1253, 73.6684



39.9176, 29.1253, 76.8112

Rectangle

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



40.7102, 29.1253, 9.7794



26.7615, 29.1253, 4.6881



17.7812, 29.1253, 73.6684



28.6249, 29.1253, 100.9911

Sweetspot

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



40.7109, 29.1269, 9.7799



75.8212, 73.4694, 65.7211



46.6364, 26.3865, 56.7388



15.7666, 15.0790, 13.0556



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.



40.7109, 29.1269, 9.7799



45.5096, 29.0911, 5.5358



53.1993, 54.1038, 13.9427



15.3464, 15.6158, 15.7240



19.8822, 11.4586, 1.1638



1.6325, 1.0424, 0.1152

Inverse Universe

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



37.5636, 47.2863, 84.9888



41.2169, 52.0529, 102.4826



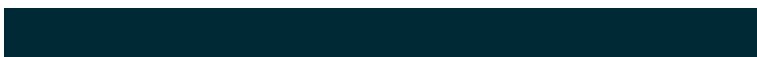
24.1503, 20.4597, 80.5177



15.2071, 16.5006, 19.3057



17.6413, 21.9296, 47.0460



1.4566, 1.8647, 3.7180

Previews

White Background



This preview shows how the XYZ color 40.7102, 29.1253, 9.7794 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 40.7102, 29.1253, 9.7794 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 40.7102, 29.1253, 9.7794

Background



This preview shows how black text looks on a background with the XYZ color 40.7102, 29.1253, 9.7794.



This preview shows how white text looks on a background with the XYZ color 40.7102, 29.1253,

9.7794.

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

40.7102, 29.1253, 9.7794

Protanopia

27.0137, 29.2207, 13.0205

Deuteranopia

29.6529, 29.0946, 9.2072



Tritanopia

42.5683, 29.1059, 18.7036

Trichromacy



Original Color

40.7102, 29.1253, 9.7794

Protanomaly

30.7493, 28.3356, 11.6332

Deuteranomaly

33.0118, 28.5477, 9.4006

Tritanomaly

41.7232, 29.0594, 14.9652

Monochromacy



Original Color

40.7102, 29.1253, 9.7794

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

29.2908, 26.7707, 20.7630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7102, 29.1253, 9.7794 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(234, 110, 73)` looks like.

```
.text, #text, p{  
    color:rgb(234, 110, 73)  
}
```

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(234, 110, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 110, 73) }
```

Border

The CSS property to change the border of an element to XYZ 40.7102, 29.1253, 9.7794 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(234, 110, 73) }
```


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

```
.border{ border-color:rgb(234, 110, 73) }
```

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

Here you see how a box with a 4 pixel rgb(234, 110, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 110, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 110, 73);  
box-shadow:4px 4px 4px 4px rgb(234, 110,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7102, 29.1253, 9.7794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 110, 73) }
```

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

```
.background{ background-color: rgb(234,  
110, 73) }
```

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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