

Converting Colors

XYZ(40.7633, 29.9233, 9.7232)

Have a look what the booklet for
XYZ(40.7633, 29.9233, 9.7232)
contains.

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Color

**XYZ(40.9047, 30.0530,
9.7758)**

Conversions

Conversions Part 1

Format	Color
Hex	E97348
RGB	233, 115, 72
RGB Percent	91%, 45%, 28%
CMY	0.0863, 0.5490, 0.7176
CMYK	0.00, 0.51, 0.69, 0.09
HSL	16°, 79%, 60%
HSV	16°, 69%, 91%
XYZ	40.9047, 30.0530, 9.7758
YIQ	145.3800, 84.1310, 11.6430

Conversions

Conversions Part 2

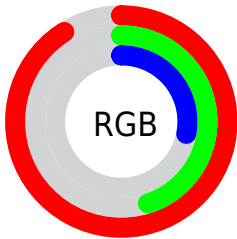
Format	Color
R _Y B	233, 131, 72
Decimal	15299400
CIE Lab	61.70, 42.58, 44.41
CIE LCh	62, 61.528, 46.202
Yxy	30.0530, 0.5067, 0.3722
Android (android.graphics.Color)	4293489480 (0xFFE97348)
YUV	145.3800, -36.1763, 76.8427
Hunter-Lab	54.8206, 37.2527, 27.8016

Details

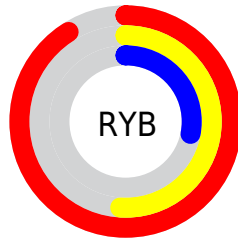
The XYZ color **40.9047, 30.0530, 9.7758** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **35.7924, 44.0849, 83.7130**, and the grayscale version is **27.1881, 28.6039, 31.1497**.

A 20% lighter version of the original color is **58.9408, 51.0411, 25.1577**, and **18.7370, 12.2789, 2.2467** is the 20% darker color. If you saturate the color by 10%, you get **38.5134, 26.2653, 5.9127**, and if you desaturate by 10%, it is **43.9459, 34.6805, 15.2762**.

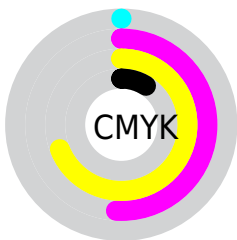
Distribution



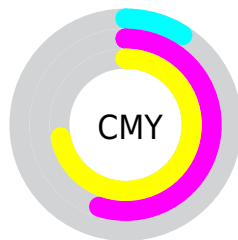
- Red (91%)
- Green (45%)
- Blue (28%)



- Red (91%)
- Yellow (51%)
- Blue (28%)



- Cyan (0%)
- Magenta (51%)
- Yellow (69%)
- Black (9%)





- Cyan (9%)
- Magenta (55%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9047, 30.0530, 9.7758 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 40.9047, 30.0530, 9.7758 by changing the saturation by 10% instead.


 40.9047, 30.0530,
9.7758


 40.9047, 30.0530,
9.7758


340.9915,
302.1514, 199.4907


 28.4320, 19.8788,
5.1469


 75.8148, 59.7460,
25.9741

 18.7937, 12.3070,
2.2735


 98.9829, 80.0336,
38.3806


 11.6244, 6.9531,
0.7163


 126.4469,
104.4611, 54.2168

 6.5588, 3.4328,
0.0000

 158.5720,
133.4129, 73.9011

 3.2316, 1.3616,
0.0000

 195.7237,
167.2735, 97.8521

 1.2774, 0.1882,
0.0000

238.2673,

 0.1662, 0.0000,

206.4272, 126.4883

0.0000

286.5681,
251.2583, 160.2283

■ 0.0000, 0.0000,
0.0000

■ 40.9047, 30.0530,
9.7758

■ 40.9047, 30.0530,
9.7758

■ 38.5134, 26.2653,
5.9127

■ 43.9459, 34.6805,
15.2762

■ 36.7156, 23.2589,
3.4969

■ 47.6826, 40.1913,
22.5721


■ 35.4365, 20.9701,
2.2403


■ 52.1582, 46.6317,
31.8041


■ 35.3397, 20.7949,
2.1512


■ 57.4117, 54.0431,
43.0989

■ 63.4794, 62.4643,
56.5718

 70.3951, 71.9320,
72.3299

 78.1907, 82.4809,
90.4731

 86.3438, 93.9231,
108.1859

 87.4140, 96.0635,
108.5426

Harmonies

Analogous

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



46.5061, 30.0530, 21.6858



40.9047, 30.0530, 9.7758



32.4862, 30.0530, 5.5631

Triad

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



40.9047, 30.0530, 9.7758



15.8413, 30.0530, 23.1041



33.1861, 30.0530, 97.9213

Complementary

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



40.9047, 30.0530, 9.7758



35.7924, 44.0849, 83.7130

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.



24.9718, 30.0530, 98.9411



40.9047, 30.0530, 9.7758



15.9569, 30.0530, 46.9836

Square

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



40.9047, 30.0530, 9.7758



18.6417, 30.0530, 10.3856



18.9952, 30.0530, 77.2452



41.5007, 30.0530, 74.8987

Rectangle

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



40.9047, 30.0530, 9.7758



26.8973, 30.0530, 5.2508



18.9952, 30.0530, 77.2452



30.2991, 30.0530, 101.1260

Sweetspot

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



40.9054, 30.0546, 9.7763



76.3286, 74.4842, 65.8902



45.2230, 25.6791, 51.3264



15.8855, 15.3169, 13.0952



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.



40.9054, 30.0546, 9.7763



46.2288, 30.5296, 5.7756



54.3861, 57.0160, 14.2699



15.3927, 15.7085, 15.7395



20.1396, 11.9735, 1.2496



1.6584, 1.0942, 0.1238

Inverse Universe

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



35.7924, 44.0849, 83.7130



39.3612, 48.3416, 101.8640



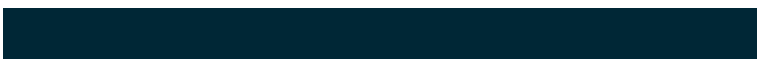
22.9099, 18.3197, 79.4188



15.1576, 16.4016, 19.2892



16.6904, 20.0279, 46.7290



1.3889, 1.7294, 3.6955

Previews

White Background



This preview shows how the XYZ color 40.9047, 30.0530, 9.7758 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 40.9047, 30.0530, 9.7758 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 ✓ Pass

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

XYZ 40.9047, 30.0530, 9.7758

Background



This preview shows how black text looks on a background with the XYZ color 40.9047, 30.0530, 9.7758.



This preview shows how white text looks on a background with the XYZ color 40.9047, 30.0530,

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

40.9047, 30.0530, 9.7758

Protanopia

27.7775, 30.3297, 12.5738

Deuteranopia

30.6640, 30.0536, 9.3390



Tritanopia

43.0478, 30.0984, 20.3703

Trichromacy



Original Color

40.9047, 30.0530, 9.7758

Protanomaly

31.3432, 29.2747, 11.3957

Deuteranomaly

33.6518, 29.4764, 9.3847

Tritanomaly

42.0748, 30.0204, 15.8888

Monochromacy



Original Color

40.9047, 30.0530, 9.7758

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

29.9266, 27.7053, 20.9099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9047, 30.0530, 9.7758 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(233, 115, 72)` looks like.

```
.text, #text, p{  
    color:rgb(233, 115, 72)  
}
```

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(233, 115, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 115, 72) }
```

Border

The CSS property to change the border of an element to XYZ 40.9047, 30.0530, 9.7758 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(233, 115, 72) }
```


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

```
.border{ border-color:rgb(233, 115, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 115, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 115, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 115, 72);  
box-shadow:4px 4px 4px 4px rgb(233, 115,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9047, 30.0530, 9.7758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 115, 72) }
```

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

```
.background{ background-color: rgb(233,  
115, 72) }
```

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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