

Converting Colors

XYZ(34.3794, 24.8441, 9.5043)

Have a look what the booklet for
XYZ(34.3794, 24.8441, 9.5043)
contains.

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Color

**XYZ(34.4052, 24.7938,
9.4509)**

Conversions

Conversions Part 1

Format	Color
Hex	D8674A
RGB	216, 103, 74
RGB Percent	85%, 40%, 29%
CMY	0.1529, 0.5961, 0.7098
CMYK	0.00, 0.52, 0.66, 0.15
HSL	12°, 65%, 57%
HSV	12°, 66%, 85%
XYZ	34.4052, 24.7938, 9.4509
YIQ	133.4810, 76.6570, 14.9370

Conversions

Conversions Part 2

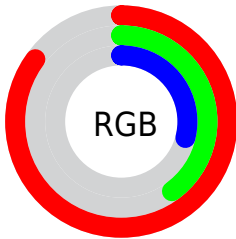
Format	Color
R _Y B	216, 110, 74
Decimal	14182218
CIE Lab	56.87, 42.23, 37.09
CIE LCh	57, 56.206, 41.295
Yxy	24.7938, 0.5012, 0.3612
Android (android.graphics.Color)	4292372298 (0xFFD8674A)
YUV	133.4810, -29.3241, 72.3692
Hunter-Lab	49.7934, 36.1979, 23.6020

Details

The XYZ color **34.4052, 24.7938, 9.4509** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **32.9878, 41.9518, 71.3243**, and the grayscale version is **22.5548, 23.7294, 25.8413**.

A 20% lighter version of the original color is **56.7666, 46.4922, 25.0507**, and **14.9110, 9.4201, 2.1310** is the 20% darker color. If you saturate the color by 10%, you get **32.2610, 21.4771, 5.7416**, and if you desaturate by 10%, it is **37.1517, 28.9159, 14.5935**.

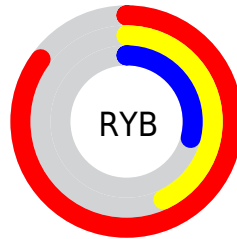
Distribution



Red (85%)

Green (40%)

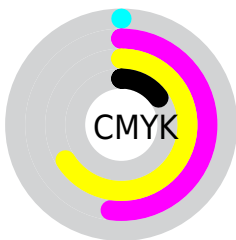
Blue (29%)



Red (85%)

Yellow (43%)

Blue (29%)

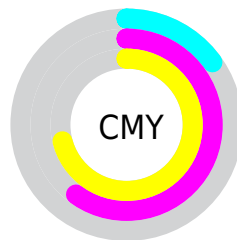


Cyan (0%)

Magenta (52%)

Yellow (66%)

Black (15%)



Cyan (15%)


Magenta (60%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.4052, 24.7938, 9.4509 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 34.4052, 24.7938, 9.4509 by changing the saturation by 10% instead.

 34.4052, 24.7938,
9.4509


 34.4052, 24.7938,
9.4509

313.4893,
276.8095, 197.0471


 23.3694, 15.9235,
4.9356


 65.9034, 51.3225,
25.3489


 14.9887, 9.4700,
2.1515


 87.0965, 69.7497,
37.5687

 8.8977, 5.0490,
0.6462


 112.4062, 92.1313,
53.1938

 4.7311, 2.2761,
0.0000

 142.1977,
118.8517, 72.6427

 2.1235, 0.7610,
0.0000

 176.8364,
150.2954, 96.3339

 0.7019, 0.0000,
0.0000

216.6876,

 0.0000, 0.0000,

186.8466, 124.6861

0.0000

262.1168,
228.8899, 158.1176

■ 34.4052, 24.7938,
9.4509

■ 34.4052, 24.7938,
9.4509

■ 32.2610, 21.4771,
5.7416

■ 37.1517, 28.9159,
14.5935

■ 30.6690, 18.9078,
3.3158

■ 40.5416, 33.8882,
21.2960

■ 29.5725, 17.0256,
1.9919

■ 44.6144, 39.7570,
29.6724

■ 29.2240, 16.4093,
1.6270

■ 49.4056, 46.5640,
39.8257

■ 54.9483, 54.3482,
51.8507

■ 61.2735, 63.1463,
65.8351

■ 68.4104, 72.9933,
81.8614

■ 76.3868, 83.9224,
100.0073

■ 82.1288, 93.3389,
108.2953

Harmonies

Analogous

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



38.2751, 24.7938, 20.5039



34.4052, 24.7938, 9.4509



27.8599, 24.7938, 5.1668

Triad

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



34.4052, 24.7938, 9.4509



13.4997, 24.7938, 16.9647



26.1313, 24.7938, 80.3880

Complementary

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



34.4052, 24.7938, 9.4509



32.9878, 41.9518, 71.3243

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.



19.7372, 24.7938, 77.9057



34.4052, 24.7938, 9.4509



13.2099, 24.7938, 34.7320

Square

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



34.4052, 24.7938, 9.4509



16.1644, 24.7938, 7.8999



15.2818, 24.7938, 58.6582



32.9388, 24.7938, 64.3896

Rectangle

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



34.4052, 24.7938, 9.4509



23.2810, 24.7938, 4.5598



15.2818, 24.7938, 58.6582



23.8528, 24.7938, 81.8297

Sweetspot

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



34.4058, 24.7951, 9.4513



76.2915, 73.9244, 67.3746



39.8017, 23.1102, 49.7141



15.8453, 15.1422, 13.3724



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.



34.4058, 24.7951, 9.4513



45.9605, 29.6525, 6.7360



44.5753, 45.1341, 12.8412



12.6267, 12.8276, 12.9712



17.3600, 9.8372, 0.9838



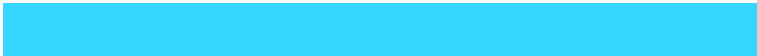
1.1071, 0.7134, 0.0794

Inverse Universe

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



32.9878, 41.9518, 71.3243



43.5560, 56.0093, 103.1230



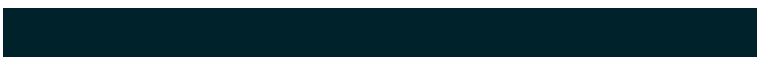
21.5336, 19.0435, 67.5063



12.5668, 13.6569, 15.9112



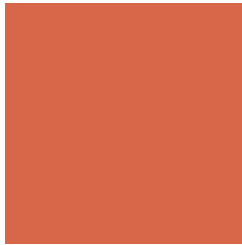
16.1336, 20.5291, 41.5653



1.0288, 1.3496, 2.5256

Previews

White Background



This preview shows how the XYZ color 34.4052, 24.7938, 9.4509 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 34.4052, 24.7938, 9.4509 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 34.4052, 24.7938, 9.4509

Background



This preview shows how black text looks on a background with the XYZ color 34.4052, 24.7938, 9.4509.



This preview shows how white text looks on a background with the XYZ color 34.4052, 24.7938,

9.4509.

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

34.4052, 24.7938, 9.4509

Protanopia

23.0198, 24.9528, 12.4072

Deuteranopia

25.3882, 24.8176, 8.9210



Tritanopia

35.9768, 24.8697, 16.5398

Trichromacy



Original Color

34.4052, 24.7938, 9.4509

Protanomaly

26.0902, 24.1607, 11.2710

Deuteranomaly

28.0717, 24.3142, 9.0079

Tritanomaly

35.1928, 24.6742, 13.4974

Monochromacy



Original Color

34.4052, 24.7938, 9.4509

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

24.9884, 22.8754, 18.4276

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4052, 24.7938, 9.4509 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(216, 103, 74)` looks like.

```
.text, #text, p{  
    color:rgb(216, 103, 74)  
}
```

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(216, 103, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 103, 74) }
```

Border

The CSS property to change the border of an element to XYZ 34.4052, 24.7938, 9.4509 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(216, 103, 74) }
```


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

```
.border{ border-color:rgb(216, 103, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 103, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 103, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 103, 74);  
box-shadow:4px 4px 4px 4px rgb(216, 103,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4052, 24.7938, 9.4509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 103, 74) }
```

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

```
.background{ background-color: rgb(216,  
103, 74) }
```

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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