

Converting Colors

XYZ(33.1634, 23.8896, 9.4140)

Have a look what the booklet for
XYZ(33.1634, 23.8896, 9.4140)
contains.

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Color

**XYZ(33.0411, 23.7988,
9.3307)**

Conversions

Conversions Part 1

Format	Color
Hex	D4654A
RGB	212, 101, 74
RGB Percent	83%, 40%, 29%
CMY	0.1686, 0.6039, 0.7098
CMYK	0.00, 0.52, 0.65, 0.17
HSL	12°, 62%, 56%
HSV	12°, 65%, 83%
XYZ	33.0411, 23.7988, 9.3307
YIQ	131.1110, 74.8230, 15.1350

Conversions

Conversions Part 2

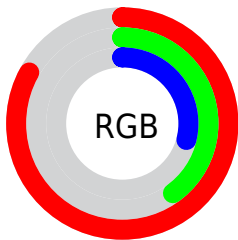
Format	Color
RYB	212, 108, 74
Decimal	13919562
CIELab	55.89, 41.71, 35.77
CIElCh	56, 54.948, 40.609
Yxy	23.7988, 0.4993, 0.3597
Android (android.graphics.Color)	4292109642 (0xFFD4654A)
YUV	131.1110, -28.1557, 70.9397
Hunter-Lab	48.7840, 35.5249, 22.8087

Details

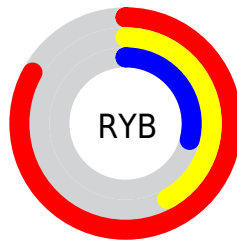
The XYZ color **33.0411, 23.7988, 9.3307** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **32.0554, 40.9046, 68.4930**, and the grayscale version is **21.6925, 22.8222, 24.8534**.

A 20% lighter version of the original color is **56.3708, 45.8013, 24.6084**, and **14.2568, 8.9559, 2.0758** is the 20% darker color. If you saturate the color by 10%, you get **30.9562, 20.5860, 5.6861**, and if you desaturate by 10%, it is **35.7112, 27.7974, 14.3576**.

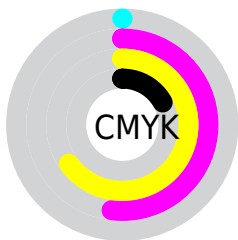
Distribution



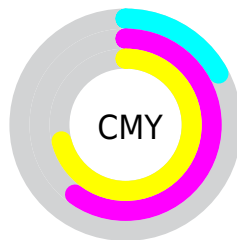
- Red (83%)
- Green (40%)
- Blue (29%)



- Red (83%)
- Yellow (42%)
- Blue (29%)



- Cyan (0%)
- Magenta (52%)
- Yellow (65%)
- Black (17%)





- Cyan (17%)
- Magenta (60%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.0411, 23.7988, 9.3307 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 33.0411, 23.7988, 9.3307 by changing the saturation by 10% instead.

 33.0411, 23.7988,
9.3307

 33.0411, 23.7988,
9.3307


307.4966,
271.8017, 196.1341


 22.3173, 15.1844,
4.8578


 63.7939, 49.7017,
25.1166

 14.2082, 8.9489,
2.1068


 84.5537, 67.7590,
37.2666

 8.3483, 4.7079,
0.6198


 109.3895, 89.7327,
52.8128

 4.3723, 2.0769,
0.0000

 138.6667,
116.0073, 72.1736

 1.9148, 0.6516,
0.0000

 172.7507,
146.9671, 95.7676

 0.5854, 0.0000,
0.0000

212.0067,

 0.0000, 0.0000,

182.9965, 124.0133

0.0000

256.8003,
224.4799, 157.3293

■ 33.0411, 23.7988,
9.3307

■ 33.0411, 23.7988,
9.3307

■ 30.9562, 20.5860,
5.6861

■ 35.7112, 27.7974,
14.3576

■ 29.4081, 18.1021,
3.2823

■ 39.0062, 32.6257,
20.8870

■ 28.3426, 16.2885,
1.9489

■ 42.9641, 38.3290,
29.0273

■ 27.9612, 15.6168,
1.5406

■ 47.6193, 44.9480,
38.8763

■ 53.0039, 52.5209,
50.5243

■ 59.1477, 61.0838,
64.0551

■ 66.0790, 70.6707,
79.5472

■ 73.8247, 81.3142,
97.0745

■ 80.7916, 92.3977,
108.1841

Harmonies

Analogous

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



36.6300, 23.7988, 20.0715



33.0411, 23.7988, 9.3307



26.8554, 23.7988, 5.1033

Triad

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



33.0411, 23.7988, 9.3307



13.0615, 23.7988, 16.0718



24.9087, 23.7988, 76.6944

Complementary

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



33.0411, 23.7988, 9.3307



32.0554, 40.9046, 68.4930

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.



18.8552, 23.7988, 73.9131



33.0411, 23.7988, 9.3307



12.7336, 23.7988, 32.7900

Square

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



33.0411, 23.7988, 9.3307



15.6565, 23.7988, 7.5666



14.6589, 23.7988, 55.4419



31.3919, 23.7988, 61.8716

Rectangle

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



33.0411, 23.7988, 9.3307



22.4924, 23.7988, 4.4703



14.6589, 23.7988, 55.4419



22.7482, 23.7988, 77.9112

Sweetspot

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



33.0417, 23.8001, 9.3311



76.1807, 73.7029, 67.3377



38.5376, 22.4697, 49.1513



15.8192, 15.0900, 13.3637



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.



33.0417, 23.8001, 9.3311



46.0506, 29.7353, 7.0666



42.4454, 42.6076, 12.4657



12.6181, 12.8103, 12.9683



17.3179, 9.7531, 0.9698



1.1031, 0.7054, 0.0780

Inverse Universe

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



32.0554, 40.9046, 68.4930



44.2618, 57.2143, 103.3184



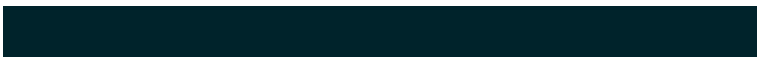
21.1509, 19.0958, 64.8582



12.5761, 13.6756, 15.9143



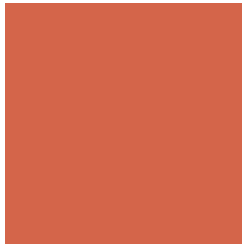
16.3412, 20.9442, 41.6345



1.0396, 1.3712, 2.5292

Previews

White Background



This preview shows how the XYZ color 33.0411, 23.7988, 9.3307 looks on a white background.

Color Contrast Check

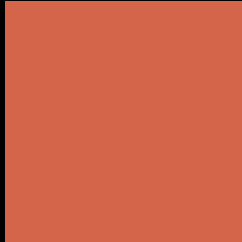
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.0411, 23.7988, 9.3307 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 33.0411, 23.7988, 9.3307

Background



This preview shows how black text looks on a background with the XYZ color 33.0411, 23.7988, 9.3307.



This preview shows how white text looks on a background with the XYZ color 33.0411, 23.7988,

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

33.0411, 23.7988, 9.3307

Protanopia

22.0589, 23.8331, 12.2417

Deuteranopia

24.3104, 23.8673, 8.9558



Tritanopia

34.5049, 23.8450, 15.8806

Trichromacy



Original Color

33.0411, 23.7988, 9.3307

Protanomaly

25.0601, 23.0743, 11.1156

Deuteranomaly

26.9072, 23.3569, 9.0514

Tritanomaly

33.7840, 23.6718, 13.1444

Monochromacy



Original Color

33.0411, 23.7988, 9.3307

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

24.0281, 22.0323, 17.7381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0411, 23.7988, 9.3307 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(212, 101, 74)` looks like.

```
.text, #text, p{  
    color:rgb(212, 101, 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(212, 101, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 101, 74) }
```

Border

The CSS property to change the border of an element to XYZ 33.0411, 23.7988, 9.3307 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(212, 101, 74) }
```


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

```
.border{ border-color:rgb(212, 101, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 101, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 101, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 101, 74);  
box-shadow:4px 4px 4px 4px rgb(212, 101,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0411, 23.7988, 9.3307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 101, 74) }
```

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

```
.background{ background-color: rgb(212,  
101, 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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