

Converting Colors

XYZ(42.2333, 37.1264, 17.9576)

Have a look what the booklet for
XYZ(42.2333, 37.1264, 17.9576)
contains.

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Color

**XYZ(42.3020, 37.2394,
18.0551)**

Conversions

Conversions Part 1

Format	Color
Hex	DB9468
RGB	219, 148, 104
RGB Percent	86%, 58%, 41%
CMY	0.1412, 0.4196, 0.5922
CMYK	0.00, 0.32, 0.53, 0.14
HSL	23°, 61%, 63%
HSV	23°, 53%, 86%
XYZ	42.3020, 37.2394, 18.0551
YIQ	164.2130, 56.4400, 1.3680

Conversions

Conversions Part 2

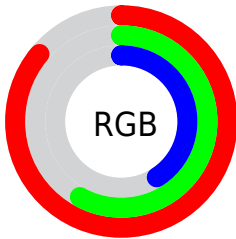
Format	Color
RYB	219, 175, 104
Decimal	14390376
CIELab	67.46, 22.02, 34.01
CIELCh	67, 40.520, 57.076
Yxy	37.2394, 0.4334, 0.3816
Android (android.graphics.Color)	4292580456 (0xFFDB9468)
YUV	164.2130, -29.6850, 48.0482
Hunter-Lab	61.0241, 16.9443, 25.1748

Details

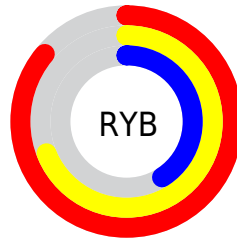
The XYZ color **42.3020, 37.2394, 18.0551** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **33.8242, 38.7156, 72.7076**, and the grayscale version is **35.5071, 37.3562, 40.6810**.

A 20% lighter version of the original color is **68.3613, 65.9014, 40.5697**, and **19.6864, 16.4120, 5.8716** is the 20% darker color. If you saturate the color by 10%, you get **39.3326, 32.8557, 12.2717**, and if you desaturate by 10%, it is **45.8098, 42.2378, 25.4437**.

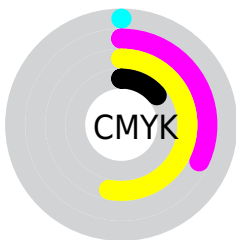
Distribution



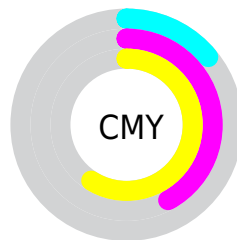
- Red (86%)
- Green (58%)
- Blue (41%)



- Red (86%)
- Yellow (69%)
- Blue (41%)



- Cyan (0%)
- Magenta (32%)
- Yellow (53%)
- Black (14%)



- Cyan (14%)
- Magenta (42%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3020, 37.2394, 18.0551 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 42.3020, 37.2394, 18.0551 by changing the saturation by 10% instead.

42.3020, 37.2394,
18.0551

42.3020, 37.2394,
18.0551

346.7037,
334.3458, 253.4280

29.5300, 25.3929,
10.8197

77.9188, 70.9408,
40.9464

19.6284, 16.3700,
5.8331

101.4943, 93.5646,
57.4394

12.2319, 9.7864,
2.6767

129.4016,
120.5495, 77.8553

6.9751, 5.2575,
0.9317

162.0062,
152.2800, 102.6127

3.4928, 2.3992,
0.0000

199.6733,
189.1405, 132.1301

1.4194, 0.8255,
0.0000

242.7684,

0.2700, 0.0000,

231.5154, 166.8261

0.0000

291.6567,
279.7890, 207.1192

■ 0.0000, 0.0000,
0.0000

■ 42.3020, 37.2394,
18.0551

■ 42.3020, 37.2394,
18.0551

■ 39.3326, 32.8557,
12.2717

■ 45.8098, 42.2378,
25.4437

■ 36.8675, 29.0550,
7.9680

■ 49.8817, 47.8696,
34.5454

■ 34.8724, 25.8107,
5.0033

■ 54.5450, 54.1596,
45.4613

■ 33.3060, 23.0910,
3.2077

■ 59.8241, 61.1293,
58.2840

■ 32.3682, 21.3698,
2.4188

■ 65.7421, 68.7993,
73.0996

■ 72.3206, 77.1892,
89.9889

■ 79.2077, 86.1688,
107.0653

■ 83.0233, 93.8000,
108.3372

Harmonies

Analogous

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



47.1487, 37.2394, 26.8685



42.3020, 37.2394, 18.0551



36.0085, 37.2394, 15.0564

Triad

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



42.3020, 37.2394, 18.0551



24.7431, 37.2394, 38.8252



41.1231, 37.2394, 79.3348

Complementary

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



42.3020, 37.2394, 18.0551



33.8242, 38.7156, 72.7076

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.



34.7884, 37.2394, 85.2808



42.3020, 37.2394, 18.0551



25.7775, 37.2394, 58.2234

Square

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



42.3020, 37.2394, 18.0551



26.2744, 37.2394, 24.6334



29.2839, 37.2394, 76.6329



46.4140, 37.2394, 62.1606

Rectangle

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



42.3020, 37.2394, 18.0551



31.9976, 37.2394, 15.8263



29.2839, 37.2394, 76.6329



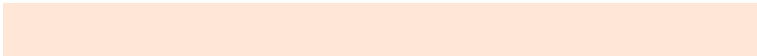
39.0246, 37.2394, 82.8975

Sweetspot

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



42.3029, 37.2412, 18.0558



81.6478, 82.6145, 75.3952



42.0830, 28.1286, 44.7194



17.1435, 17.2443, 15.3294



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.



42.3029, 37.2412, 18.0558



55.1350, 45.7922, 16.6051



53.2257, 59.0868, 21.6967



13.4624, 13.8642, 13.6921



19.2910, 12.8677, 1.4670



1.3315, 0.9971, 0.1223

Inverse Universe

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



33.8242, 38.7156, 72.7076



41.8886, 47.9913, 101.6632



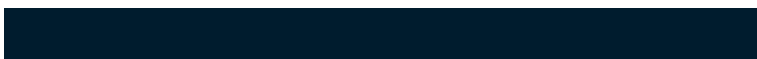
25.1320, 21.3311, 69.8102



13.0046, 13.9490, 16.6592



12.8443, 13.5579, 41.6784



0.9144, 1.0430, 2.7276

Previews

White Background



This preview shows how the XYZ color 42.3020, 37.2394, 18.0551 looks on a white background.

Color Contrast Check

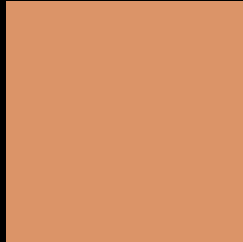
Large Text (above 18pt) WCAG AA × Fail

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 42.3020, 37.2394, 18.0551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

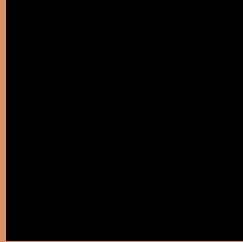
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.3020, 37.2394, 18.0551

Background



This preview shows how black text looks on a background with the XYZ color 42.3020, 37.2394, 18.0551.



This preview shows how white text looks on a background with the XYZ color 42.3020, 37.2394,

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

42.3020, 37.2394, 18.0551

Protanopia

34.6845, 37.5229, 20.4535

Deuteranopia

38.0084, 37.2154, 17.7504



Tritanopia

45.7719, 37.3010, 34.4931

Trichromacy



Original Color

42.3020, 37.2394, 18.0551

Protanomaly

37.0972, 37.2164, 19.4156

Deuteranomaly

39.4574, 37.2123, 17.9350

Tritanomaly

44.4706, 37.2254, 27.7630

Monochromacy



Original Color

42.3020, 37.2394, 18.0551

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

36.8765, 36.5971, 30.7115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3020, 37.2394, 18.0551 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(219, 148, 104)` looks like.

```
.text, #text, p{  
    color:rgb(219, 148, 104)  
}
```

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(219, 148, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 148, 104) }
```

Border

The CSS property to change the border of an element to XYZ 42.3020, 37.2394, 18.0551 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(219, 148, 104) }
```


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

```
.border{ border-color:rgb(219, 148, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 148, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 148, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 148, 104);  
box-shadow:4px 4px 4px 4px rgb(219, 148,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3020, 37.2394, 18.0551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 148, 104) }
```

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

```
.background{ background-color: rgb(219,  
148, 104) }
```

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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