

Converting Colors

XYZ(41.8225, 35.6371, 18.4438)

Have a look what the booklet for
XYZ(41.8225, 35.6371, 18.4438)
contains.

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Color

**XYZ(41.7897, 35.6023,
18.3050)**

Conversions

Conversions Part 1

Format	Color
Hex	DC8E6A
RGB	220, 142, 106
RGB Percent	86%, 56%, 42%
CMY	0.1373, 0.4431, 0.5843
CMYK	0.00, 0.35, 0.52, 0.14
HSL	19°, 62%, 64%
HSV	19°, 52%, 86%
XYZ	41.7897, 35.6023, 18.3050
YIQ	161.2180, 58.0440, 5.3400

Conversions

Conversions Part 2

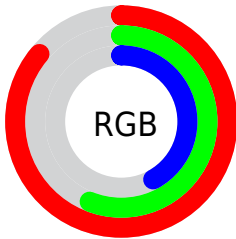
Format	Color
R _Y B	220, 159, 106
Decimal	14454378
CIE Lab	66.21, 25.83, 31.37
CIE LCh	66, 40.632, 50.533
Yxy	35.6023, 0.4367, 0.3720
Android (android.graphics.Color)	4292644458 (0xFFDC8E6A)
YUV	161.2180, -27.2225, 51.5518
Hunter-Lab	59.6677, 20.5984, 23.5782

Details

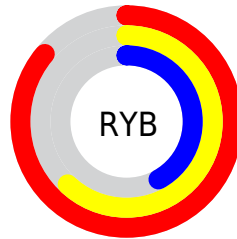
The XYZ color **41.7897, 35.6023, 18.3050** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **36.0015, 42.5102, 74.0176**, and the grayscale version is **34.0823, 35.8572, 39.0485**.

A 20% lighter version of the original color is **67.1515, 63.2085, 41.0089**, and **19.4051, 15.4690, 5.9661** is the 20% darker color. If you saturate the color by 10%, you get **38.6989, 31.0228, 12.3361**, and if you desaturate by 10%, it is **45.4782, 40.9076, 25.9215**.

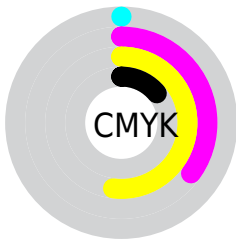
Distribution



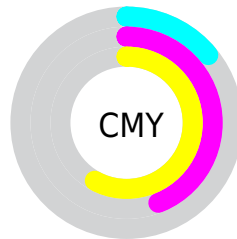
- Red (86%)
- Green (56%)
- Blue (42%)



- Red (86%)
- Yellow (62%)
- Blue (42%)



- Cyan (0%)
- Magenta (35%)
- Yellow (52%)
- Black (14%)





- Cyan (14%)
- Magenta (44%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7897, 35.6023, 18.3050 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 41.7897, 35.6023, 18.3050 by changing the saturation by 10% instead.


 41.7897, 35.6023,
18.3050


 41.7897, 35.6023,
18.3050


344.6169,
327.2189, 254.8782

 29.1270, 24.1272,
10.9975


 77.1484, 68.4178,
41.3773


 19.3217, 15.4280,
5.9510


 100.5752, 90.5270,
57.9791

 12.0084, 9.1203,
2.7470


 128.3207,
116.9496, 78.5162

 6.8216, 4.8197,
0.9669

 160.7503,
148.0701, 103.4070

 3.3961, 2.1419,
0.0000

198.2294,
184.2729, 133.0700

 1.3665, 0.6880,
0.0000

241.1233,

 0.2322, 0.0000,

225.9424, 167.9239

0.0000

289.7973,
273.4629, 208.3871

■ 0.0000, 0.0000,
0.0000

■ 41.7897, 35.6023,
18.3050

■ 41.7897, 35.6023,
18.3050

■ 38.6989, 31.0228,
12.3361

■ 45.4782, 40.9076,
25.9215

■ 36.1681, 27.1304,
7.8880

■ 49.7935, 46.9643,
35.2953

■ 34.1591, 23.8908,
4.8186

■ 54.7660, 53.8031,
46.5288

■ 32.6265, 21.2638,
2.9570

■ 60.4232, 61.4514,
59.7162

■ 31.6731, 19.5317,
2.1006

■ 66.7908, 69.9353,
74.9450

■ 73.8933, 79.2796,
92.2975

■ 80.9381, 89.1817,
107.5556

■ 83.3250, 93.9556,
108.3513

Harmonies

Analogous

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



45.9513, 35.6023, 28.2086



41.7897, 35.6023, 18.3050



35.7896, 35.6023, 14.3044

Triad

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



41.7897, 35.6023, 18.3050



23.6073, 35.6023, 33.5366



38.0880, 35.6023, 79.1116

Complementary

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



41.7897, 35.6023, 18.3050



36.0015, 42.5102, 74.0176

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.



31.9604, 35.6023, 81.8189



41.7897, 35.6023, 18.3050



24.0673, 35.6023, 51.6722

Square

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



41.7897, 35.6023, 18.3050



25.6251, 35.6023, 21.2022



26.9665, 35.6023, 70.6142



43.6435, 35.6023, 64.0486

Rectangle

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



41.7897, 35.6023, 18.3050



31.7554, 35.6023, 14.3599



26.9665, 35.6023, 70.6142



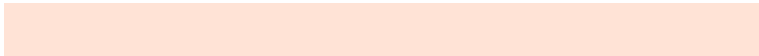
36.0117, 35.6023, 81.6417

Sweetspot

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



41.7906, 35.6041, 18.3057



80.8958, 81.1106, 75.1446



43.5109, 29.0606, 49.6590



16.9655, 16.8881, 15.2700



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.



41.7906, 35.6041, 18.3057



53.8010, 42.9371, 16.7369



52.1283, 56.2795, 21.7516



13.3900, 13.7193, 13.6679



18.6773, 11.6402, 1.2624



1.2860, 0.9061, 0.1071

Inverse Universe

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



36.0015, 42.5102, 74.0176



44.8162, 53.4501, 102.5626



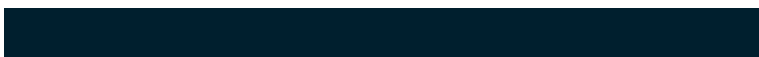
26.6863, 23.8796, 70.9125



13.0800, 14.0997, 16.6843



14.1349, 16.1392, 42.1086



0.9918, 1.1976, 2.7533

Previews

White Background



This preview shows how the XYZ color 41.7897, 35.6023, 18.3050 looks on a white background.

Color Contrast Check

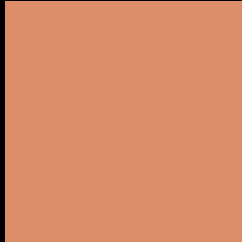
Large Text (above 18pt) WCAG AA × Fail

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 41.7897, 35.6023, 18.3050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

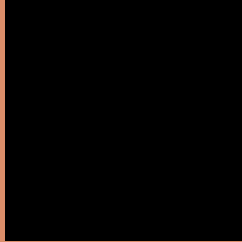
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.7897, 35.6023, 18.3050

Background



This preview shows how black text looks on a background with the XYZ color 41.7897, 35.6023, 18.3050.



This preview shows how white text looks on a background with the XYZ color 41.7897, 35.6023,

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

41.7897, 35.6023, 18.3050

Protanopia

33.2377, 35.7033, 21.0592

Deuteranopia

36.3024, 35.5800, 18.0510



Tritanopia

44.6435, 35.6859, 32.1389

Trichromacy



Original Color

41.7897, 35.6023, 18.3050

Protanomaly

35.9107, 35.3353, 19.9666

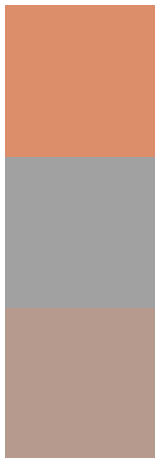
Deuteranomaly

38.0848, 35.5291, 18.2151

Tritanomaly

43.5217, 35.6608, 26.4192

Monochromacy



Original Color

41.7897, 35.6023, 18.3050

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

35.6547, 34.9794, 30.0718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7897, 35.6023, 18.3050 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(220, 142, 106)` looks like.

```
.text, #text, p{  
    color:rgb(220, 142, 106)  
}
```

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(220, 142, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 142, 106) }
```

Border

The CSS property to change the border of an element to XYZ 41.7897, 35.6023, 18.3050 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(220, 142, 106) }
```


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

```
.border{ border-color:rgb(220, 142, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 142, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 142, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 142, 106);  
box-shadow:4px 4px 4px 4px rgb(220, 142,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7897, 35.6023, 18.3050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 142, 106) }
```

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

```
.background{ background-color: rgb(220,  
142, 106) }
```

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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