

# Converting Colors

XYZ(40.4024, 37.5447, 20.7414)

Have a look what the booklet for  
XYZ(40.4024, 37.5447, 20.7414)  
contains.

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# Color

**XYZ(40.5487, 37.7134,  
20.7650)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D09A71
RGB	208, 154, 113
RGB Percent	82%, 60%, 44%
CMY	0.1843, 0.3961, 0.5569
CMYK	0.00, 0.26, 0.46, 0.18
HSL	26°, 50%, 63%
HSV	26°, 46%, 82%
XYZ	40.5487, 37.7134, 20.7650
YIQ	165.4720, 45.3450, -1.3030

# Conversions

## Conversions Part 2

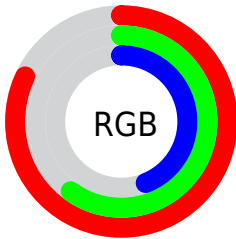
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">208, 185, 113</a>
Decimal	<a href="#">13671025</a>
CIELab	<a href="#">67.81, 15.15, 29.38</a>
CIELCh	<a href="#">68, 33.056, 62.712</a>
Yxy	<a href="#">37.7134, 0.4095, 0.3808</a>
Android (android.graphics.Color)	<a href="#">4291861105 (0xFFD09A71)</a>
YUV	<a href="#">165.4720, -25.8687, 37.2971</a>
Hunter-Lab	<a href="#">61.4112, 10.3906, 22.9401</a>

# Details

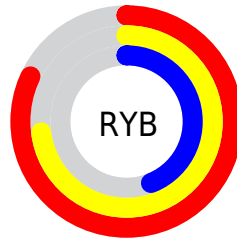
The XYZ color **40.5487, 37.7134, 20.7650** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.0133, 35.7007, 64.8781**, and the grayscale version is **36.0971, 37.9769, 41.3569**.

A 20% lighter version of the original color is **70.5874, 69.0884, 45.2123**, and **18.5382, 16.6500, 7.0872** is the 20% darker color. If you saturate the color by 10%, you get **37.6533, 33.5868, 14.6698**, and if you desaturate by 10%, it is **43.9065, 42.3354, 28.3391**.

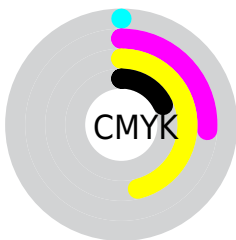
# Distribution



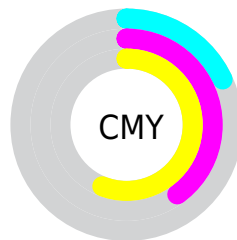
- Red (82%)
- Green (60%)
- Blue (44%)



- Red (82%)
- Yellow (73%)
- Blue (44%)



- Cyan (0%)
- Magenta (26%)
- Yellow (46%)
- Black (18%)




- Cyan (18%)
- Magenta (40%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5487, 37.7134, 20.7650 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 40.5487, 37.7134, 20.7650 by changing the saturation by 10% instead.





 40.5487, 37.7134,  
20.7650


 40.5487, 37.7134,  
20.7650


339.5258,  
336.3889, 268.7669


 28.1527, 25.7603,  
12.7628


 75.2774, 71.6686,  
45.5718


 18.5819, 16.6444,  
7.1366


 98.3408, 94.4396,  
63.2135

 11.4707, 9.9813,  
3.4679


 125.6907,  
121.5853, 84.9053

 6.4540, 5.3866,  
1.3382

 157.6925,  
153.4902, 111.0659

 3.1663, 2.4758,  
0.0928

194.7116,  
190.5386, 142.1139

 1.2423, 0.8645,  
0.0000

237.1133,

 0.1394, 0.0000,

233.1149, 178.4676

0.0000

285.2629,  
281.6035, 220.5458

■ 0.0000, 0.0000,  
0.0000

■ 40.5487, 37.7134,  
20.7650

■ 40.5487, 37.7134,  
20.7650

■ 37.6533, 33.5868,  
14.6698

■ 43.9065, 42.3354,  
28.3391

■ 35.1935, 29.9316,  
9.9515

■ 47.7461, 47.4647,  
37.4802

■ 33.1433, 26.7297,  
6.4986


■ 52.0890, 53.1194,  
48.2721


■ 31.4725, 23.9591,  
4.1808

■ 56.9544, 59.3150,  
60.7919


■ 30.1445, 21.5952,  
2.8380


■ 62.3604, 66.0666,  
75.1119

 29.6500, 20.6850,  
2.4299

 68.3243, 73.3882,  
91.3002

 74.2772, 81.0595,  
106.3390

 77.8091, 88.1233,  
107.5163

 79.8224, 92.1499,  
108.1874

# Harmonies

## Analogous

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



44.7787, 37.7134, 27.6390



40.5487, 37.7134, 20.7650



35.3819, 37.7134, 18.8561

# Triad

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



40.5487, 37.7134, 20.7650



26.8874, 37.7134, 42.4114



41.4305, 37.7134, 69.6322

# Complementary

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



40.5487, 37.7134, 20.7650



32.0133, 35.7007, 64.8781

# 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.



36.3131, 37.7134, 76.1358



40.5487, 37.7134, 20.7650



28.1871, 37.7134, 58.2536

# Square

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



40.5487, 37.7134, 20.7650



27.7923, 37.7134, 29.4510



31.5207, 37.7134, 71.5456



45.3210, 37.7134, 55.3860



# Rectangle

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



40.5487, 37.7134, 20.7650



32.1788, 37.7134, 20.1673



31.5207, 37.7134, 71.5456



39.7805, 37.7134, 72.9314

# Sweetspot

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



40.5496, 37.7152, 20.7657



83.6909, 85.6406, 79.3444



39.0245, 28.0632, 40.6098



17.5708, 17.8902, 16.1151



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.



40.5496, 37.7152, 20.7657



59.7059, 53.2635, 23.2784



49.6667, 55.9493, 23.8048



12.2224, 12.6355, 12.4067



18.5716, 13.0762, 1.5451



1.1165, 0.8874, 0.1124



# Inverse Universe

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



32.0133, 35.7007, 64.8781



44.4826, 49.6383, 101.8444



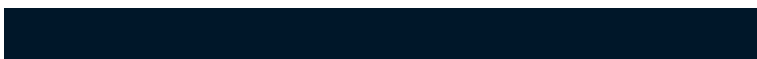
25.0228, 21.7197, 62.5479



11.7133, 12.5169, 15.0423



11.2475, 11.1416, 38.7502



0.7069, 0.7790, 2.1927



# Previews

## White Background



This preview shows how the XYZ color 40.5487, 37.7134, 20.7650 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

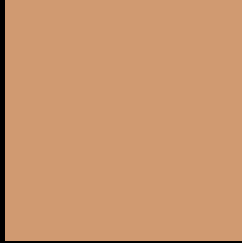
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.5487, 37.7134, 20.7650 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 40.5487, 37.7134, 20.7650**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.5487, 37.7134, 20.7650.



This preview shows how white text looks on a background with the XYZ color 40.5487, 37.7134,



# 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

40.5487, 37.7134, 20.7650

### Protanopia

35.0852, 37.6833, 22.5639

### Deuteranopia

38.4402, 37.6293, 20.5664



## Tritanopia

43.9993, 37.6801, 37.7549

# Trichromacy



## Original Color

40.5487, 37.7134, 20.7650

## Protanomaly

36.8835, 37.5695, 21.8307

## Deuteranomaly

39.3387, 37.8404, 20.5598

## Tritanomaly

42.6528, 37.6146, 30.6035

# Monochromacy



## Original Color

40.5487, 37.7134, 20.7650

## Achromatopsia

35.7637, 37.6262, 40.9749

## Achromatomaly

36.9892, 37.3888, 32.4613

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.5487, 37.7134, 20.7650 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(208, 154, 113)` looks like.

```
.text, #text, p{  
    color:rgb(208, 154, 113)  
}
```

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(208, 154, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 154, 113) }
```

## Border

The CSS property to change the border of an element to XYZ 40.5487, 37.7134, 20.7650 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(208, 154, 113) }
```



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

```
.border{ border-color:rgb(208, 154, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 154, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 154, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 154, 113);  
box-shadow:4px 4px 4px 4px rgb(208, 154,  
113) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.5487, 37.7134, 20.7650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 154, 113) }
```

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

```
.background{ background-color: rgb(208,  
154, 113) }
```

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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