

# Converting Colors

XYZ(42.0466, 41.1135, 23.7110)

Have a look what the booklet for  
XYZ(42.0466, 41.1135, 23.7110)  
contains.

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# Color

**XYZ(41.9035, 40.9105,  
23.7771)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CDA479
RGB	205, 164, 121
RGB Percent	80%, 64%, 47%
CMY	0.1961, 0.3568, 0.5255
CMYK	0.00, 0.20, 0.41, 0.20
HSL	31°, 46%, 64%
HSV	31°, 41%, 80%
XYZ	41.9035, 40.9105, 23.7771
YIQ	171.3570, 38.2390, -4.6810

# Conversions

## Conversions Part 2

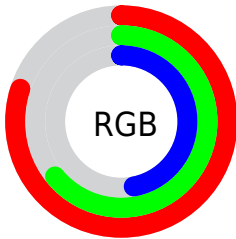
Format	Color
<b>R<sub>YB</sub></b>	201, 205, 121
Decimal	13476985
CIE Lab	70.11, 9.37, 28.03
CIE LCh	70, 29.557, 71.520
Yxy	40.9105, 0.3931, 0.3838
Android (android.graphics.Color)	4291667065 (0xFFCDA479)
YUV	171.3570, -24.8260, 29.5049
Hunter-Lab	63.9613, 5.0099, 22.7323

# Details

The XYZ color **41.9035, 40.9105, 23.7771** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **31.8245, 34.3122, 62.7032**, and the grayscale version is **38.9966, 41.0275, 44.6789**.

A 20% lighter version of the original color is **74.2115, 74.9790, 50.6054**, and **19.3583, 18.4458, 8.6710** is the 20% darker color. If you saturate the color by 10%, you get **39.0571, 37.0203, 17.2713**, and if you desaturate by 10%, it is **45.1600, 45.1932, 31.7384**.

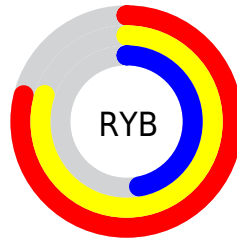
# Distribution



Red (80%)

Green (64%)

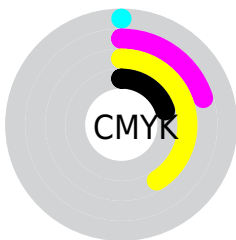
Blue (47%)



Red (79%)

Yellow (80%)

Blue (47%)

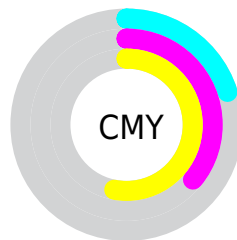


Cyan (0%)

Magenta (20%)

Yellow (41%)

Black (20%)



Cyan (20%)

Magenta (36%)

Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9035, 40.9105, 23.7771 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 41.9035, 40.9105, 23.7771 by changing the saturation by 10% instead.



■ 41.9035, 40.9105,  
23.7771

■ 41.9035, 40.9105,  
23.7771

345.0812,  
349.9464, 284.9418

■ 29.2165, 28.2492,  
14.9577

■ 77.3196, 76.5480,  
50.6055

■ 19.3898, 18.5136,  
8.6434

■ 100.7795,  
100.2930, 69.4515

■ 12.0579, 11.3193,  
4.4157

■ 128.5610,  
128.5013, 92.4769

■ 6.8556, 6.2820,  
1.8561

161.0296,  
161.5573, 120.1000

■ 3.4175, 3.0173,  
0.4646

198.5505,  
199.8454, 152.7396

■ 1.3782, 1.1408,  
0.0000

241.4892,

■ 0.2406, 0.0125,

243.7500, 190.8140

0.0000

290.2110,  
293.6556, 234.7419

■ 0.0000, 0.0000,  
0.0000

■ 41.9035, 40.9105,  
23.7771

■ 41.9035, 40.9105,  
23.7771

■ 39.0571, 37.0203,  
17.2713

■ 45.1600, 45.1932,  
31.7384

■ 36.5974, 33.5035,  
12.1276

■ 48.8422, 49.8750,  
41.2357

■ 34.5031, 30.3477,  
8.2454


■ 52.9685, 54.9697,  
52.3467


■ 32.7489, 27.5374,  
5.5088


■ 57.5553, 60.4885,  
65.1428

■ 31.3053, 25.0548,  
3.7801


■ 62.6179, 66.4421,  
79.6914

 30.2235, 23.0724,  
2.8605

 68.1711, 72.8407,  
96.0558

 72.6609, 79.0672,  
106.0396

 75.5908, 84.9271,  
107.0163

 78.6842, 91.1139,  
108.0474

# Harmonies

## Analogous

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



46.2621, 40.9105, 29.1344



41.9035, 40.9105, 23.7771



37.0583, 40.9105, 23.2314

# Triad

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



41.9035, 40.9105, 23.7771



30.4739, 40.9105, 50.0718



45.3726, 40.9105, 67.5795

# Complementary

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



41.9035, 40.9105, 23.7771



31.8245, 34.3122, 62.7032

# 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.



40.7691, 40.9105, 76.0276



41.9035, 40.9105, 23.7771



32.3356, 40.9105, 64.6093

# Square

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



41.9035, 40.9105, 23.7771



30.7227, 40.9105, 36.6331



36.0135, 40.9105, 74.8402



48.3765, 40.9105, 53.5203



# Rectangle

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



41.9035, 40.9105, 23.7771



34.2272, 40.9105, 25.4972



36.0135, 40.9105, 74.8402



43.9456, 40.9105, 71.2891

# Sweetspot

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



41.9045, 40.9124, 23.7779



85.9284, 89.0225, 83.4599



38.6253, 29.2986, 38.2701



18.1942, 18.8120, 17.3243



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.



41.9045, 40.9124, 23.7779



64.5687, 61.4651, 29.5975



50.4595, 58.0223, 26.6296



11.6792, 12.1474, 11.8086



18.9108, 14.5545, 1.8126



1.0514, 0.9025, 0.1188



# Inverse Universe

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



31.8245, 34.3122, 62.7032



45.9011, 49.2449, 101.6937



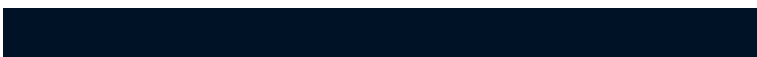
25.7424, 22.1479, 60.6759



11.0462, 11.7328, 14.2528



9.7945, 8.6130, 37.1025



0.5812, 0.5961, 1.9394



# Previews

## White Background



This preview shows how the XYZ color 41.9035, 40.9105, 23.7771 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

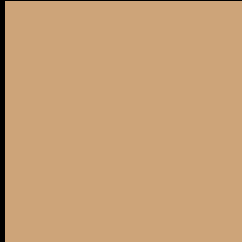
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.9035, 40.9105, 23.7771 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

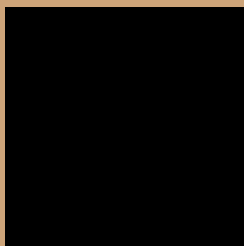
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 41.9035, 40.9105, 23.7771**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.9035, 40.9105, 23.7771.



This preview shows how white text looks on a background with the XYZ color 41.9035, 40.9105,

23.7771.

# 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

41.9035, 40.9105, 23.7771

### Protanopia

38.2086, 40.8953, 24.9486

### Deuteranopia

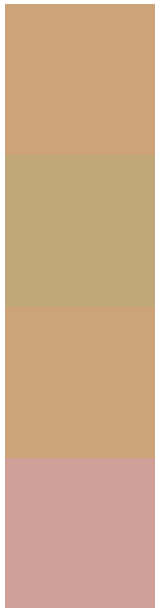
41.6285, 40.7688, 23.7643



## Tritanopia

46.0609, 41.0576, 43.5275

# Trichromacy



## Original Color

41.9035, 40.9105, 23.7771

## Protanomaly

39.3160, 40.6418, 24.5114

## Deuteranomaly

41.6285, 40.7688, 23.7643

## Tritanomaly

44.2507, 40.8185, 35.2523

# Monochromacy



## Original Color

41.9035, 40.9105, 23.7771

## Achromatopsia

38.7082, 40.7240, 44.3485

## Achromatomaly

39.2808, 40.3725, 35.8593

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.9035, 40.9105, 23.7771 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(205, 164, 121)` looks like.

```
.text, #text, p{  
    color:rgb(205, 164, 121)  
}
```

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(205, 164, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 164, 121) }
```

## Border

The CSS property to change the border of an element to XYZ 41.9035, 40.9105, 23.7771 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(205, 164, 121) }
```



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

```
.border{ border-color:rgb(205, 164, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 164, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 164, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 164, 121);  
box-shadow:4px 4px 4px 4px rgb(205, 164,  
121) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.9035, 40.9105, 23.7771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 164, 121) }
```

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

```
.background{ background-color: rgb(205,  
164, 121) }
```

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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