

# Converting Colors

XYZ(41.7023, 42.0991, 26.6984)

Have a look what the booklet for  
XYZ(41.7023, 42.0991, 26.6984)  
contains.

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# **Color**

**XYZ(41.7036, 42.1030,  
26.6976)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C7A981
RGB	199, 169, 129
RGB Percent	78%, 66%, 51%
CMY	0.2196, 0.3372, 0.4941
CMYK	0.00, 0.15, 0.35, 0.22
HSL	34°, 38%, 64%
HSV	34°, 35%, 78%
XYZ	41.7036, 42.1030, 26.6976
YIQ	173.4100, 30.7200, -6.0800

# Conversions

## Conversions Part 2

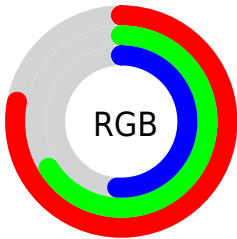
<b>Format</b>	<b>Color</b>
<b>RYB</b>	182, 199, 129
Decimal	13085057
CIELab	70.94, 5.19, 24.72
CIElCh	71, 25.259, 78.142
Yxy	42.1030, 0.3774, 0.3810
Android (android.graphics.Color)	4291275137 (0xFFC7A981)
YUV	173.4100, -21.8941, 22.4424
Hunter-Lab	64.8868, 1.1723, 21.0260

# Details

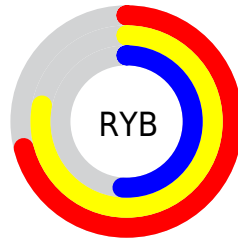
The XYZ color **41.7036, 42.1030, 26.6976** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **31.7599, 33.5859, 58.8417**, and the grayscale version is **40.0281, 42.1127, 45.8607**.

A 20% lighter version of the original color is **76.3392, 77.9487, 55.2781**, and **19.2742, 19.2164, 10.0904** is the 20% darker color. If you saturate the color by 10%, you get **38.9728, 38.5560, 19.8847**, and if you desaturate by 10%, it is **44.7977, 45.9639, 34.9035**.

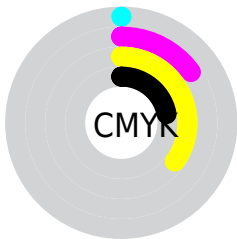
# Distribution



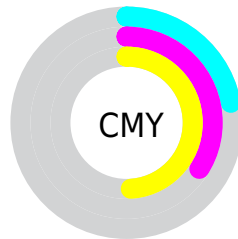
- Red (78%)
- Green (66%)
- Blue (51%)



- Red (71%)
- Yellow (78%)
- Blue (51%)



- Cyan (0%)
- Magenta (15%)
- Yellow (35%)
- Black (22%)




- Cyan (22%)
- Magenta (34%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7036, 42.1030, 26.6976 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 41.7036, 42.1030, 26.6976 by changing the saturation by 10% instead.





 41.7036, 42.1030,  
26.6976

 41.7036, 42.1030,  
26.6976


344.2653,  
354.9097, 299.9037


 29.0594, 29.1820,  
17.1158


 77.0188, 78.3555,  
55.3961

 19.2702, 19.2185,  
10.1543


 100.4205,  
102.4557, 75.3498

 11.9709, 11.8283,  
5.3944

 128.1388,  
131.0511, 99.5980

 6.7959, 6.6269,  
2.4177

160.5389,  
164.5261, 128.5591

 3.3800, 3.2299,  
0.7961

197.9862,  
203.2651, 162.6516

 1.3577, 1.2529,  
0.0000

240.8462,

 0.2258, 0.1043,

247.6524, 202.2942

0.0000

289.4841,  
298.0725, 247.9054

■ 0.0000, 0.0000,  
0.0000

■ 41.7036, 42.1030,  
26.6976

■ 41.7036, 42.1030,  
26.6976

■ 38.9728, 38.5560,  
19.8847

■ 44.7977, 45.9639,  
34.9035

■ 36.5850, 35.3071,  
14.3824

■ 48.2675, 50.1422,  
44.5730

■ 34.5229, 32.3477,  
10.1036


■ 52.1289, 54.6487,  
55.7753


■ 32.7655, 29.6661,  
6.9496


■ 56.3955, 59.4918,  
68.5741


■ 31.2893, 27.2494,  
4.8057


■ 61.0806, 64.6796,  
83.0296

 30.0655, 25.0826,  
3.5325

 66.1965, 70.2197,  
99.1989

 29.5397, 24.1151,  
3.0978

 69.5386, 75.2330,  
105.4641

 71.9523, 80.0603,  
106.2686

 74.4834, 85.1225,  
107.1123

# Harmonies

## Analogous

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



45.6638, 42.1030, 30.6583



41.7036, 42.1030, 26.6976



37.5506, 42.1030, 27.1587

# Triad

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



41.7036, 42.1030, 26.6976



32.8100, 42.1030, 53.4440



46.3521, 42.1030, 63.1112

# Complementary

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



41.7036, 42.1030, 26.6976



31.7599, 33.5859, 58.8417

# 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.



42.5904, 42.1030, 71.5803



41.7036, 42.1030, 26.6976



34.8572, 42.1030, 65.3602

# Square

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



41.7036, 42.1030, 26.6976



32.6093, 42.1030, 41.2438



38.3777, 42.1030, 72.4688



48.4707, 42.1030, 50.7720



# Rectangle

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



41.7036, 42.1030, 26.6976



35.2252, 42.1030, 29.9254



38.3777, 42.1030, 72.4688



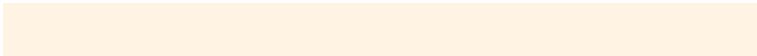
45.2262, 42.1030, 66.5917

# Sweetspot

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



41.7047, 42.1050, 26.6985



87.1429, 90.8927, 85.5880



37.6908, 30.3579, 36.8263



18.4565, 19.2253, 17.7554



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.



41.7047, 42.1050, 26.6985



69.4040, 69.0482, 37.6451



46.7198, 53.9454, 28.7196



11.1286, 11.6263, 11.2203



19.0831, 15.6833, 2.0214



0.9744, 0.8843, 0.1193



# Inverse Universe

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



31.7599, 33.5859, 58.8417



49.4905, 51.9983, 102.0360



27.9380, 24.8656, 57.3599



10.4241, 11.0223, 13.4956



8.8148, 7.0234, 35.6354

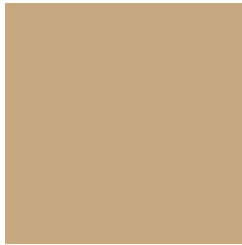


0.4889, 0.4757, 1.7112



# Previews

## White Background



This preview shows how the XYZ color 41.7036, 42.1030, 26.6976 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

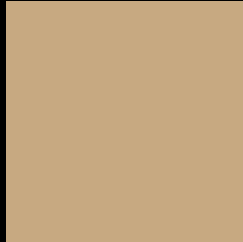
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.7036, 42.1030, 26.6976 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

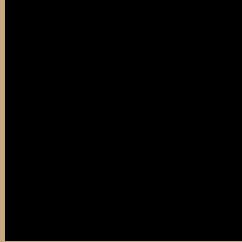
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 41.7036, 42.1030, 26.6976**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.7036, 42.1030, 26.6976.



This preview shows how white text looks on a background with the XYZ color 41.7036, 42.1030,



# 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

41.7036, 42.1030, 26.6976

### Protanopia

39.4825, 42.3499, 27.5661

### Deuteranopia

42.9580, 42.2015, 26.6505



## Tritanopia

45.7369, 42.1269, 46.2781

# Trichromacy



## Original Color

41.7036, 42.1030, 26.6976

## Protanomaly

40.2676, 42.1931, 27.1408

## Deuteranomaly

42.5937, 42.2868, 26.6861

## Tritanomaly

43.9838, 41.9354, 38.1239

# Monochromacy



## Original Color

41.7036, 42.1030, 26.6976

## Achromatopsia

39.7200, 41.7885, 45.5077

## Achromatomaly

40.1297, 41.8845, 37.8677

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.7036, 42.1030, 26.6976 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(199, 169, 129)` looks like.

```
.text, #text, p{  
    color:rgb(199, 169, 129)  
}
```

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(199, 169, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 169, 129) }
```

## Border

The CSS property to change the border of an element to XYZ 41.7036, 42.1030, 26.6976 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(199, 169, 129) }
```



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

```
.border{ border-color:rgb(199, 169, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 169, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 169, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 169, 129); box-shadow:4px 4px 4px 4px rgb(199, 169, 129) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.7036, 42.1030, 26.6976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 169, 129) }
```

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

```
.background{ background-color: rgb(199,  
169, 129) }
```

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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