

# Converting Colors

XYZ(41.3888, 43.6986, 20.2808)

Have a look what the booklet for  
XYZ(41.3888, 43.6986, 20.2808)  
contains.

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# **Color**

**XYZ(41.5370, 43.8636,  
20.1872)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7AF6B
RGB	199, 175, 107
RGB Percent	78%, 69%, 42%
CMY	0.2196, 0.3137, 0.5804
CMYK	0.00, 0.12, 0.46, 0.22
HSL	44°, 45%, 60%
HSV	44°, 46%, 78%
XYZ	41.5370, 43.8636, 20.1872
YIQ	174.4240, 36.1320, -16.0600

# Conversions

## Conversions Part 2

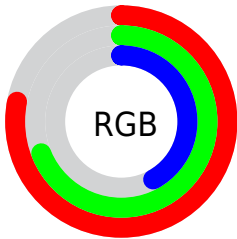
Format	Color
<a href="#">RYB</a>	<a href="#">139, 199, 107</a>
Decimal	<a href="#">13086571</a>
CIELab	<a href="#">72.14, -0.47, 37.92</a>
CIELCh	<a href="#">72, 37.921, 90.708</a>
Yxy	<a href="#">43.8636, 0.3934, 0.4154</a>
Android (android.graphics.Color)	<a href="#">4291276651</a> ( <a href="#">0xFFC7AF6B</a> )
YUV	<a href="#">174.4240, -33.2400, 21.5532</a>
Hunter-Lab	<a href="#">66.2296, -3.9525, 28.2888</a>

# Details

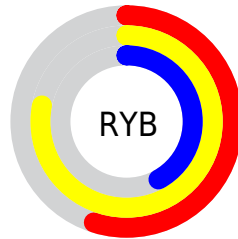
The XYZ color **41.5370, 43.8636, 20.1872** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **24.4883, 23.4811, 57.2743**, and the grayscale version is **40.6040, 42.7186, 46.5205**.

A 20% lighter version of the original color is **75.7948, 80.3568, 44.3165**, and **19.1744, 20.3110, 6.9128** is the 20% darker color. If you saturate the color by 10%, you get **39.6177, 41.5120, 14.9632**, and if you desaturate by 10%, it is **43.7383, 46.3933, 26.6947**.

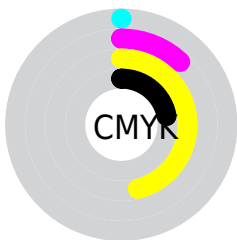
# Distribution



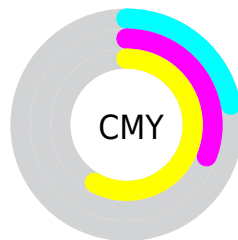
- Red (78%)
- Green (69%)
- Blue (42%)



- Red (55%)
- Yellow (78%)
- Blue (42%)



- Cyan (0%)
- Magenta (12%)
- Yellow (46%)
- Black (22%)




- Cyan (22%)
- Magenta (31%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5370, 43.8636, 20.1872 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 41.5370, 43.8636, 20.1872 by changing the saturation by 10% instead.





 41.5370, 43.8636,  
20.1872


 41.5370, 43.8636,  
20.1872


343.5844,  
362.1514, 265.5644

 28.9284, 30.5633,  
12.3458


 76.7680, 81.0125,  
44.5939


 19.1707, 20.2665,  
6.8542


 100.1211,  
105.6298, 61.9963

 11.8984, 12.5889,  
3.2940


 127.7865,  
134.7883, 83.4227

 6.7463, 7.1461,  
1.2467

 160.1295,  
168.8723, 109.2917

 3.3488, 3.5536,  
0.0175

197.5154,  
208.2662, 140.0218

 1.3408, 1.4272,  
0.0000

240.3096,

 0.2135, 0.2366,

253.3544, 176.0316

0.0000

288.8775,  
304.5213, 217.7396

■ 0.0000, 0.0000,  
0.0000

■ 41.5370, 43.8636,  
20.1872

■ 41.5370, 43.8636,  
20.1872

■ 39.6177, 41.5120,  
14.9632

■ 43.7383, 46.3933,  
26.6947

■ 37.9599, 39.3249,  
10.9318

■ 46.2338, 49.1020,  
34.5632

■ 36.5453, 37.2958,  
7.9940

■ 49.0391, 51.9980,  
43.8669

■ 35.3516, 35.4150,  
6.0340

■ 52.1674, 55.0874,  
54.6740

■ 34.3502, 33.6705,  
4.9040

■ 55.6313, 58.3757,  
67.0483

■ 34.0020, 33.0398,  
4.5852

■ 59.4425, 61.8684,  
81.0498

■ 63.6121, 65.5706,  
96.7355

■ 66.2943, 68.7444,  
104.3827

■ 67.6494, 71.4546,  
104.8344

# Harmonies

## Analogous

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



48.1024, 43.8636, 22.8714



41.5370, 43.8636, 20.1872



35.6352, 43.8636, 23.1428

# Triad

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



41.5370, 43.8636, 20.1872



31.8520, 43.8636, 68.4439



53.5545, 43.8636, 67.4760

# Complementary

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



41.5370, 43.8636, 20.1872



24.4883, 23.4811, 57.2743

# 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.



48.3968, 43.8636, 85.5683



41.5370, 43.8636, 20.1872



35.8763, 43.8636, 86.2215

# Square

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



41.5370, 43.8636, 20.1872



30.4121, 43.8636, 48.2031



41.8455, 43.8636, 93.1746



55.4619, 43.8636, 47.3197



# Rectangle

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



41.5370, 43.8636, 20.1872



32.7562, 43.8636, 28.5073



41.8455, 43.8636, 93.1746



52.1187, 43.8636, 74.1690

# Sweetspot

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



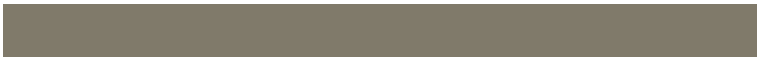
41.5381, 43.8657, 20.1881



86.9269, 92.1127, 80.4231



32.9441, 24.3111, 24.6194



18.3602, 19.4690, 16.3782



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.



41.5381, 43.8657, 20.1881



69.5007, 72.8532, 26.5433



41.3306, 51.3182, 21.6375



11.2808, 11.9307, 11.2711



21.9383, 21.3938, 2.9731



1.0952, 1.1258, 0.1596



# Inverse Universe

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



24.4883, 23.4811, 57.2743



36.2071, 33.0873, 99.0859



24.5394, 19.2649, 56.4578



10.2779, 10.7298, 13.4469



7.4770, 4.3478, 35.1895



0.4149, 0.3277, 1.6865



# Previews

## White Background



This preview shows how the XYZ color 41.5370, 43.8636, 20.1872 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

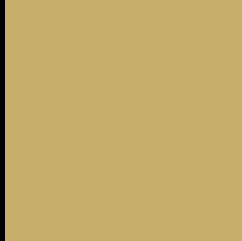
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.5370, 43.8636, 20.1872 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

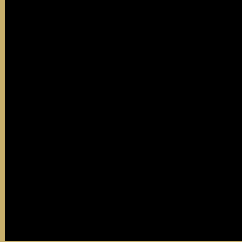
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 41.5370, 43.8636, 20.1872**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.5370, 43.8636, 20.1872.



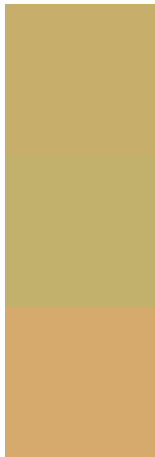
This preview shows how white text looks on a background with the XYZ color 41.5370, 43.8636,



# 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

41.5370, 43.8636, 20.1872

### Protanopia

40.4212, 43.8644, 20.5236

### Deuteranopia

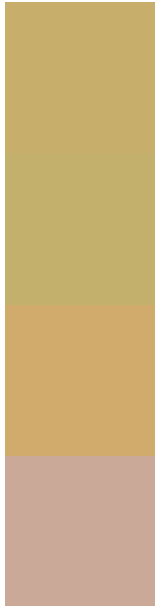
44.6263, 43.7548, 20.2808



## Tritanopia

47.2265, 43.6489, 48.5838

# Trichromacy



## Original Color

41.5370, 43.8636, 20.1872

## Protanomaly

40.7378, 43.7355, 20.4820

## Deuteranomaly

43.5642, 43.7638, 20.3385

## Tritanomaly

44.5663, 43.3724, 36.1598

# Monochromacy



## Original Color

41.5370, 43.8636, 20.1872

## Achromatopsia

40.2316, 42.3268, 46.0938

## Achromatomaly

40.1695, 42.5414, 34.9483

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.5370, 43.8636, 20.1872 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, 175, 107)` looks like.

```
.text, #text, p{  
    color:rgb(199, 175, 107)  
}
```

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, 175, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 175, 107) }
```

## Border

The CSS property to change the border of an element to XYZ 41.5370, 43.8636, 20.1872 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, 175, 107) }
```



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

```
.border{ border-color:rgb(199, 175, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 175, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 175, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 175, 107);  
box-shadow:4px 4px 4px 4px rgb(199, 175,  
107) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.5370, 43.8636, 20.1872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 175, 107) }
```

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

```
.background{ background-color: rgb(199,  
175, 107) }
```

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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