

# Converting Colors

XYZ(36.7739, 37.1652, 21.1556)

Have a look what the booklet for  
XYZ(36.7739, 37.1652, 21.1556)  
contains.

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# **Color**

**XYZ(36.8433, 37.3037,  
21.1781)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEA072
RGB	190, 160, 114
RGB Percent	75%, 63%, 45%
CMY	0.2549, 0.3725, 0.5529
CMYK	0.00, 0.16, 0.40, 0.25
HSL	36°, 37%, 60%
HSV	36°, 40%, 75%
XYZ	36.8433, 37.3037, 21.1781
YIQ	163.7260, 32.6460, -7.9460

# Conversions

## Conversions Part 2

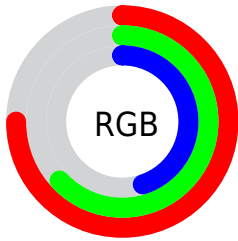
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 190, 114
Decimal	12492914
CIELab	67.50, 4.63, 28.09
CIELCh	68, 28.473, 80.633
Yxy	37.3037, 0.3865, 0.3913
Android (android.graphics.Color)	4290682994 (0xFFBEA072)
YUV	163.7260, -24.5149, 23.0423
Hunter-Lab	61.0768, 0.7921, 22.1952

# Details

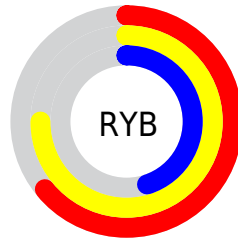
The XYZ color **36.8433, 37.3037, 21.1781** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **26.2067, 27.2407, 52.5919**, and the grayscale version is **35.2591, 37.0953, 40.3968**.

A 20% lighter version of the original color is **69.5411, 71.1282, 46.1403**, and **16.4144, 16.4698, 7.3149** is the 20% darker color. If you saturate the color by 10%, you get **34.6114, 34.3945, 15.6415**, and if you desaturate by 10%, it is **39.3802, 40.4631, 27.9255**.

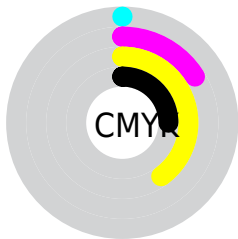
# Distribution



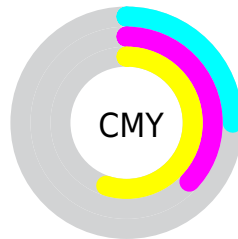
- Red (75%)
- Green (63%)
- Blue (45%)



- Red (64%)
- Yellow (75%)
- Blue (45%)



- Cyan (0%)
- Magenta (16%)
- Yellow (40%)
- Black (25%)




- Cyan (25%)
- Magenta (37%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8433, 37.3037, 21.1781 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 36.8433, 37.3037, 21.1781 by changing the saturation by 10% instead.





 36.8433, 37.3037,  
21.1781


 36.8433, 37.3037,  
21.1781


323.9989,  
334.6235, 271.0356

 25.2593, 25.4427,  
13.0617

 69.6471, 71.0396,  
46.2684


 16.4001, 16.4072,  
7.3398

 91.5976, 93.6834,  
64.0794

 9.9004, 9.8128,  
3.5939


 117.7344,  
120.6902, 85.9590

 5.3947, 5.2750,  
1.4053

 148.4227,  
152.4444, 112.3258

 2.5178, 2.4095,  
0.1458

184.0280,  
189.3304, 143.5983

 0.9042, 0.8308,  
0.0000

224.9155,

 0.0000, 0.0000,

231.7327, 180.1951

0.0000

271.4507,  
280.0356, 222.5347

■ 36.8433, 37.3037,  
21.1781

■ 36.8433, 37.3037,  
21.1781

■ 34.6114, 34.3945,  
15.6415

■ 39.3802, 40.4631,  
27.9255

■ 32.6663, 31.7220,  
11.2390

■ 42.2334, 43.8752,  
35.9493

■ 30.9919, 29.2788,  
7.8890


■ 45.4169, 47.5493,  
45.3131


■ 29.5690, 27.0549,  
5.4975


■ 48.9432, 51.4921,  
56.0755


■ 28.3751, 25.0389,  
3.9536


■ 52.8239, 55.7104,  
68.2917


 27.3673, 23.2113,  
3.0379

 57.0700, 60.2106,  
82.0139

 27.3672, 23.2111,  
3.0378

 61.6920, 64.9987,  
97.2915

 64.8774, 69.3516,  
104.5745

 66.8899, 73.3766,  
105.2454

# Harmonies

## Analogous

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



41.0655, 37.3037, 24.6902



36.8433, 37.3037, 21.1781



32.5728, 37.3037, 21.9812

# Triad

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



36.8433, 37.3037, 21.1781



28.1499, 37.3037, 49.7147



42.3672, 37.3037, 57.9004

# Complementary

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



36.8433, 37.3037, 21.1781



26.2067, 27.2407, 52.5919

# 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.



38.5046, 37.3037, 67.6018



36.8433, 37.3037, 21.1781



30.3822, 37.3037, 62.2416

# Square

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



36.8433, 37.3037, 21.1781



27.7849, 37.3037, 36.8200



34.1041, 37.3037, 69.3360



44.4232, 37.3037, 44.6673



# Rectangle

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



36.8433, 37.3037, 21.1781



30.2539, 37.3037, 24.9366



34.1041, 37.3037, 69.3360



41.2228, 37.3037, 61.7878

# Sweetspot

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



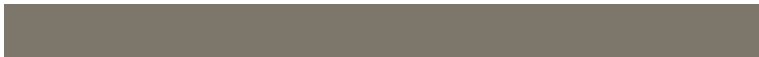
36.8442, 37.3054, 21.1789



80.9833, 84.6635, 78.1755



32.3175, 25.0081, 29.6703



17.6119, 18.3951, 16.6587



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.8442, 37.3054, 21.1789



63.1868, 62.9489, 29.4574



40.8369, 48.0357, 23.0396



9.9976, 10.4712, 10.0708



18.2759, 15.5906, 2.0460



0.7780, 0.7349, 0.1008

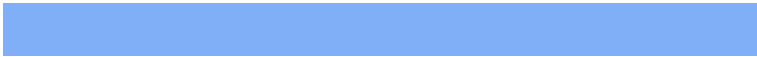


# Inverse Universe

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



26.2067, 27.2407, 52.5919



41.2624, 42.2223, 94.2541



23.2815, 19.8613, 51.3217



9.3171, 9.8266, 12.0779



7.9246, 5.9608, 33.1258



0.3745, 0.3617, 1.3189



# Previews

## White Background



This preview shows how the XYZ color 36.8433, 37.3037, 21.1781 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

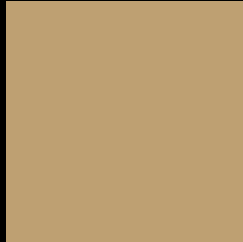
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.8433, 37.3037, 21.1781 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 36.8433, 37.3037, 21.1781**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.8433, 37.3037, 21.1781.



This preview shows how white text looks on a background with the XYZ color 36.8433, 37.3037,

21.1781.

# 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

36.8433, 37.3037, 21.1781

### Protanopia

34.7879, 37.2769, 21.8846

### Deuteranopia

38.0863, 37.4273, 21.4365



## Tritanopia

40.6884, 37.1012, 40.6140

# Trichromacy



## Original Color

36.8433, 37.3037, 21.1781

## Protanomaly

35.4831, 37.3773, 21.5640

## Deuteranomaly

37.7408, 37.5034, 21.4694

## Tritanomaly

39.0691, 37.1897, 32.3133

# Monochromacy



## Original Color

36.8433, 37.3037, 21.1781

## Achromatopsia

35.2861, 37.1238, 40.4278

## Achromatomaly

35.5191, 37.1539, 32.4935

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.8433, 37.3037, 21.1781 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(190, 160, 114)` looks like.

```
.text, #text, p{  
    color:rgb(190, 160, 114)  
}
```

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(190, 160, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 160, 114) }
```

## Border

The CSS property to change the border of an element to XYZ 36.8433, 37.3037, 21.1781 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(190, 160, 114) }
```



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

```
.border{ border-color:rgb(190, 160, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 160, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 160, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 160, 114);  
box-shadow:4px 4px 4px 4px rgb(190, 160,  
114) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.8433, 37.3037, 21.1781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 160, 114) }
```

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

```
.background{ background-color: rgb(190,  
160, 114) }
```

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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