

# Converting Colors

XYZ(41.2510, 37.6030, 31.0705)

Have a look what the booklet for  
XYZ(41.2510, 37.6030, 31.0705)  
contains.

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# Color

**XYZ(41.2510, 37.6030,  
31.0705)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CC998F
RGB	204, 153, 143
RGB Percent	80%, 60%, 56%
CMY	0.2000, 0.4000, 0.4392
CMYK	0.00, 0.25, 0.30, 0.20
HSL	10°, 37%, 68%
HSV	10°, 30%, 80%
XYZ	41.2510, 37.6030, 31.0705
YIQ	167.1090, 33.6060, 7.7020

# Conversions

## Conversions Part 2

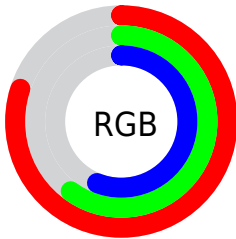
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 155, 143
Decimal	13408655
CIE Lab	67.73, 17.67, 12.69
CIE LCh	68, 21.750, 35.677
Yxy	37.6030, 0.3753, 0.3421
Android (android.graphics.Color)	4291598735 (0xFFCC998F)
YUV	167.1090, -11.8857, 32.3534
Hunter-Lab	61.3213, 12.7652, 12.8836

# Details

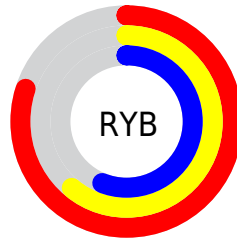
The XYZ color **41.2510, 37.6030, 31.0705** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **41.5179, 48.7813, 64.3544**, and the grayscale version is **36.8292, 38.7472, 42.1956**.

A 20% lighter version of the original color is **73.8739, 70.4030, 62.5189**, and **19.1216, 16.6826, 12.5682** is the 20% darker color. If you saturate the color by 10%, you get **37.2494, 31.8520, 22.7930**, and if you desaturate by 10%, it is **45.9347, 44.2679, 40.9626**.

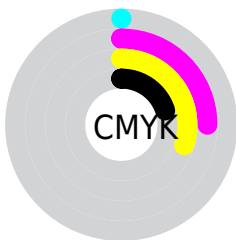
# Distribution



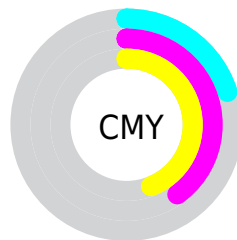
- Red (80%)
- Green (60%)
- Blue (56%)



- Red (80%)
- Yellow (61%)
- Blue (56%)



- Cyan (0%)
- Magenta (25%)
- Yellow (30%)
- Black (20%)




- Cyan (20%)
- Magenta (40%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2510, 37.6030, 31.0705 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 41.2510, 37.6030, 31.0705 by changing the saturation by 10% instead.





 41.2510, 37.6030,  
31.0705


 41.2510, 37.6030,  
31.0705

342.4133,  
335.9139, 321.2242

 28.7038, 25.6747,  
20.3936


 76.3371, 71.4992,  
62.4319

 19.0000, 16.5804,  
12.4946


 99.6067, 94.2360,  
83.9536

 11.7743, 9.9358,  
6.9548


127.1811,  
121.3443, 109.9272

 6.6613, 5.3564,  
3.3559

159.4257,  
153.2086, 140.7714

 3.2956, 2.4579,  
1.2791

196.7059,  
190.2134, 176.9046

 1.3120, 0.8554,  
0.0446

239.3870,

 0.1921, 0.0000,

232.7429, 218.7455

0.0000

287.8343,  
281.1816, 266.7125

■ 0.0000, 0.0000,  
0.0000

■ 41.2510, 37.6030,  
31.0705

■ 41.2510, 37.6030,  
31.0705

■ 37.2494, 31.8520,  
22.7930

■ 45.9347, 44.2679,  
40.9626

■ 33.8947, 26.9697,  
16.0419

■ 51.3273, 51.8787,  
52.5465

■ 31.1532, 22.9153,  
10.7241

■ 57.4580, 60.4724,  
65.8973

■ 28.9869, 19.6423,  
6.7353

■ 64.3534, 70.0824,  
81.0847

■ 27.3532, 17.0996,  
3.9568

■ 72.0388, 80.7405,  
98.1748

■ 26.2034, 15.2298,  
2.2488

■ 78.7119, 91.5774,  
108.1354

■ 25.4644, 13.9606,  
1.3583

■ 25.4585, 13.9506,  
1.3509

# Harmonies

## Analogous

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



42.5643, 37.6030, 39.1398



41.2510, 37.6030, 31.0705



38.4688, 37.6030, 26.2885

# Triad

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



41.2510, 37.6030, 31.0705



30.1695, 37.6030, 33.7838



36.3835, 37.6030, 62.2586

# Complementary

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



41.2510, 37.6030, 31.0705



41.5179, 48.7813, 64.3544

# 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.



33.1444, 37.6030, 60.2288



41.2510, 37.6030, 31.0705



29.6881, 37.6030, 42.8013

# Square

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



41.2510, 37.6030, 31.0705



32.1027, 37.6030, 27.6746



30.7440, 37.6030, 52.7130



39.6433, 37.6030, 57.8919



# Rectangle

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



41.2510, 37.6030, 31.0705



36.2299, 37.6030, 25.1228



30.7440, 37.6030, 52.7130



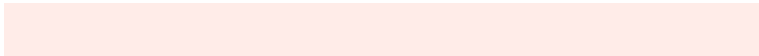
35.2556, 37.6030, 62.3090

# Sweetspot

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



41.2520, 37.6048, 31.0713



85.7545, 86.9728, 88.6489



44.5579, 36.4160, 56.2216



18.0540, 18.1925, 18.3233



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.



41.2520, 37.6048, 31.0713



63.8401, 55.8541, 42.1605



46.7214, 48.5436, 32.8944



11.3585, 11.5060, 11.7017



16.0697, 8.8723, 0.8656



0.8767, 0.5530, 0.0605



# Inverse Universe

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



41.5179, 48.7813, 64.3544



64.3390, 77.3152, 106.1400



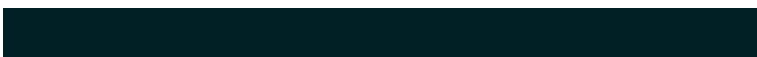
35.5653, 36.8760, 62.3702



11.3806, 12.4016, 14.3643



16.0300, 21.0839, 39.1810



0.8698, 1.1733, 2.0356



# Previews

## White Background



This preview shows how the XYZ color 41.2510, 37.6030, 31.0705 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

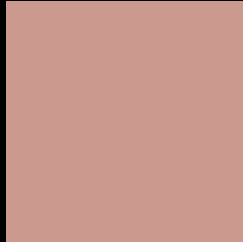
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.2510, 37.6030, 31.0705 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 41.2510, 37.6030, 31.0705**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.2510, 37.6030, 31.0705.



This preview shows how white text looks on a background with the XYZ color 41.2510, 37.6030,



# 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

41.2510, 37.6030, 31.0705

### Protanopia

35.8932, 37.8508, 33.8479

### Deuteranopia

38.5158, 37.6964, 30.8373



## Tritanopia

42.8815, 37.5431, 39.1689

# Trichromacy



## Original Color

41.2510, 37.6030, 31.0705

## Protanomaly

37.7785, 37.7867, 32.9062

## Deuteranomaly

39.4451, 37.6690, 30.7831

## Tritanomaly

42.1598, 37.4789, 36.0224

# Monochromacy



## Original Color

41.2510, 37.6030, 31.0705

## Achromatopsia

36.7301, 38.6429, 42.0822

## Achromatomaly

37.9143, 38.0126, 37.6866

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.2510, 37.6030, 31.0705 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(204, 153, 143)` looks like.

```
.text, #text, p{  
    color:rgb(204, 153, 143)  
}
```

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(204, 153, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 153, 143) }
```

## Border

The CSS property to change the border of an element to XYZ 41.2510, 37.6030, 31.0705 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(204, 153, 143) }
```



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

```
.border{ border-color:rgb(204, 153, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 153, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 153, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 153, 143);  
box-shadow:4px 4px 4px 4px rgb(204, 153,  
143) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.2510, 37.6030, 31.0705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 153, 143) }
```

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

```
.background{ background-color: rgb(204,  
153, 143) }
```

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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