

# Converting Colors

XYZ(45.6321, 37.9004, 31.5203)

Have a look what the booklet for  
XYZ(45.6321, 37.9004, 31.5203)  
contains.

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# Color

**XYZ(45.6677, 37.9831,  
31.7126)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DF9191
RGB	223, 145, 145
RGB Percent	87%, 57%, 57%
CMY	0.1255, 0.4313, 0.4314
CMYK	0.00, 0.35, 0.35, 0.13
HSL	0°, 55%, 72%
HSV	0°, 35%, 87%
XYZ	45.6677, 37.9831, 31.7126
YIQ	168.3220, 46.4880, 16.5360

# Conversions

## Conversions Part 2

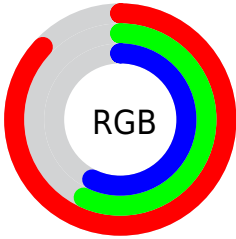
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 145, 145
Decimal	14651793
CIE Lab	68.01, 29.51, 12.27
CIE LCh	68, 31.960, 22.574
Yxy	37.9831, 0.3959, 0.3292
Android (android.graphics.Color)	4292841873 (0xFFDF9191)
YUV	168.3220, -11.4977, 47.9526
Hunter-Lab	61.6304, 24.4139, 12.6330

# Details

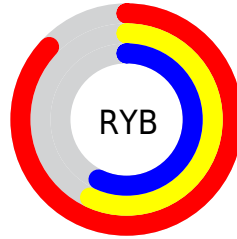
The XYZ color **45.6677, 37.9831, 31.7126** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **51.3831, 64.1206, 79.4805**, and the grayscale version is **37.4173, 39.3659, 42.8695**.

A 20% lighter version of the original color is **72.2031, 66.6921, 63.1002**, and **21.7058, 16.7619, 12.9178** is the 20% darker color. If you saturate the color by 10%, you get **41.0346, 31.2039, 22.5011**, and if you desaturate by 10%, it is **51.3090, 46.2383, 42.9260**.

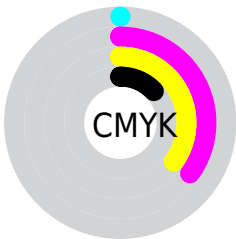
# Distribution



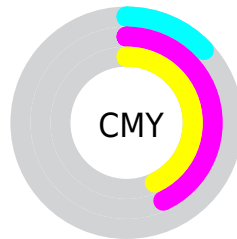
- Red (87%)
- Green (57%)
- Blue (57%)



- Red (87%)
- Yellow (57%)
- Blue (57%)



- Cyan (0%)
- Magenta (35%)
- Yellow (35%)
- Black (13%)



- Cyan (13%)
- Magenta (43%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6677, 37.9831, 31.7126 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 45.6677, 37.9831, 31.7126 by changing the saturation by 10% instead.



45.6677, 37.9831,  
31.7126

45.6677, 37.9831,  
31.7126

360.2094,  
337.5475, 324.2602

32.1872, 25.9696,  
20.8791

82.9524, 72.0822,  
63.4529

21.6608, 16.8009,  
12.8453

107.4873, 94.9366,  
85.1968

13.7230, 10.0926,  
7.1926

136.4376,  
122.1734, 111.4146

8.0087, 5.4604,  
3.5026

170.1689,  
154.1771, 142.5247

4.1524, 2.5199,  
1.3566

209.0463,  
191.3319, 178.9458

1.7887, 0.8865,  
0.1075

253.4353,

0.5108, 0.0000,

234.0223, 221.0964

0.0000

303.7012,  
282.6327, 269.3951

■ 0.0000, 0.0000,  
0.0000

■ 45.6677, 37.9831,  
31.7126

■ 45.6677, 37.9831,  
31.7126

■ 41.0346, 31.2039,  
22.5011

■ 51.3090, 46.2383,  
42.9260

■ 37.3477, 25.8088,  
15.1718

■ 58.0098, 56.0435,  
56.2470

■ 34.5425, 21.7039,  
9.5954

■ 65.8217, 67.4744,  
71.7767

■ 32.5455, 18.7817,  
5.6258

■ 74.7917, 80.6000,  
89.6090

■ 31.2713, 16.9170,  
3.0930

■ 84.2415, 94.4280,  
108.3942

■ 30.6152, 15.9569,  
1.7891

■ 30.4316, 15.6883,  
1.4242

# Harmonies

## Analogous

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



46.4348, 37.9831, 44.9973



45.6677, 37.9831, 31.7126



42.2285, 37.9831, 23.2030

# Triad

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



45.6677, 37.9831, 31.7126



29.0300, 37.9831, 26.8505



34.8804, 37.9831, 74.8782

# Complementary

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



45.6677, 37.9831, 31.7126



51.3831, 64.1206, 79.4805

# 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.



30.5983, 37.9831, 67.1310



45.6677, 37.9831, 31.7126



27.4280, 37.9831, 37.9188

# Square

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



45.6677, 37.9831, 31.7126



32.5551, 37.9831, 20.8784



27.9747, 37.9831, 52.7821



39.8972, 37.9831, 72.1375



# Rectangle

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



45.6677, 37.9831, 31.7126



39.0409, 37.9831, 20.3496



27.9747, 37.9831, 52.7821



33.3141, 37.9831, 73.3632

# Sweetspot

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



45.6687, 37.9849, 31.7133



83.6111, 83.2617, 86.1596



53.8764, 41.2669, 74.9379



17.5792, 17.3576, 17.8115



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.



45.6687, 37.9849, 31.7133



57.1526, 44.5454, 33.5613



52.6831, 52.0136, 34.0515



13.7074, 13.7007, 14.2288



17.8933, 9.2245, 0.8374



1.2403, 0.6394, 0.0581



# Inverse Universe

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



51.3831, 64.1206, 79.4805



66.0026, 85.0225, 107.5400



42.1372, 45.6288, 76.3986



14.1166, 15.5722, 17.6494



23.3450, 34.1596, 46.4114



1.6182, 2.3678, 3.2170



# Previews

## White Background



This preview shows how the XYZ color 45.6677, 37.9831, 31.7126 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

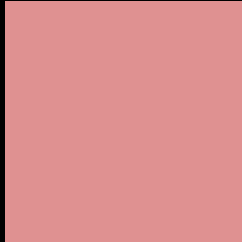
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.6677, 37.9831, 31.7126 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 45.6677, 37.9831, 31.7126**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.6677, 37.9831, 31.7126.



This preview shows how white text looks on a background with the XYZ color 45.6677, 37.9831,



# 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

45.6677, 37.9831, 31.7126

### Protanopia

36.6502, 38.4434, 36.9411

### Deuteranopia

38.9391, 38.1710, 30.9066



## Tritanopia

46.5465, 38.1269, 35.4778

# Trichromacy



**Original Color**

45.6677, 37.9831, 31.7126

**Protanomaly**

39.3802, 37.7971, 34.9258

**Deuteranomaly**

41.3079, 38.1224, 31.1678

**Tritanomaly**

46.2996, 38.0282, 34.1781

# Monochromacy



**Original Color**

45.6677, 37.9831, 31.7126

**Achromatopsia**

37.2190, 39.1572, 42.6422

**Achromatomaly**

39.6550, 38.3710, 38.5740

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.6677, 37.9831, 31.7126 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(223, 145, 145)` looks like.

```
.text, #text, p{  
    color:rgb(223, 145, 145)  
}
```

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(223, 145, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 145, 145) }
```

## Border

The CSS property to change the border of an element to XYZ 45.6677, 37.9831, 31.7126 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(223, 145, 145) }
```



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

```
.border{ border-color:rgb(223, 145, 145) }
```

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

Here you see how a box with a 4 pixel rgb(223, 145, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 145, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 145, 145);  
box-shadow:4px 4px 4px 4px rgb(223, 145,  
145) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.6677, 37.9831, 31.7126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 145, 145) }
```

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

```
.background{ background-color: rgb(223,  
145, 145) }
```

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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