

# Converting Colors

XYZ(37.3842, 32.8707, 33.6826)

Have a look what the booklet for  
XYZ(37.3842, 32.8707, 33.6826)  
contains.

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# Color

**XYZ(37.3589, 32.7535,  
33.6312)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C28D97
RGB	194, 141, 151
RGB Percent	76%, 55%, 59%
CMY	0.2392, 0.4470, 0.4078
CMYK	0.00, 0.27, 0.22, 0.24
HSL	349°, 30%, 66%
HSV	349°, 27%, 76%
XYZ	37.3589, 32.7535, 33.6312
YIQ	157.9870, 28.3780, 14.3460

# Conversions

## Conversions Part 2

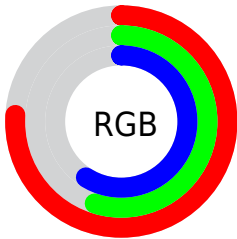
Format	Color
<a href="#">RYB</a>	<a href="#">194, 141, 151</a>
Decimal	<a href="#">12750231</a>
CIELab	<a href="#">63.96, 21.60, 2.67</a>
CIElCh	<a href="#">64, 21.765, 7.045</a>
Yxy	<a href="#">32.7535, 0.3601, 0.3157</a>
Android (android.graphics.Color)	<a href="#">4290940311</a> ( <a href="#">0xFFC28D97</a> )
YUV	<a href="#">157.9870, -3.4446, 31.5834</a>
Hunter-Lab	<a href="#">57.2307, 16.3671, 5.2201</a>

# Details

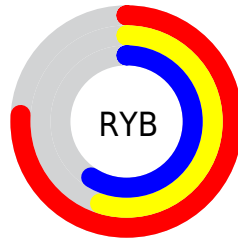
The XYZ color **37.3589, 32.7535, 33.6312** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **38.9294, 47.7077, 52.5065**, and the grayscale version is **32.5004, 34.1930, 37.2361**.

A 20% lighter version of the original color is **70.3182, 63.9472, 66.3945**, and **16.6039, 13.7214, 13.8300** is the 20% darker color. If you saturate the color by 10%, you get **33.5508, 27.0482, 26.4704**, and if you desaturate by 10%, it is **41.8405, 39.5322, 41.8594**.

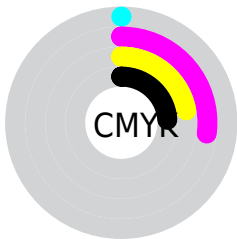
# Distribution



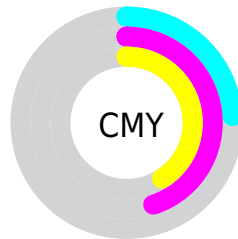
- Red (76%)
- Green (55%)
- Blue (59%)



- Red (76%)
- Yellow (55%)
- Blue (59%)



- Cyan (0%)
- Magenta (27%)
- Yellow (22%)
- Black (24%)




- Cyan (24%)
- Magenta (45%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3589, 32.7535, 33.6312 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 37.3589, 32.7535, 33.6312 by changing the saturation by 10% instead.





 37.3589, 32.7535,  
33.6312


 37.3589, 32.7535,  
33.6312


326.1904,  
314.5375, 333.2033


 25.6604, 21.9377,  
22.3354


 70.4347, 63.9905,  
66.4871

 16.7011, 13.8111,  
13.9029


 92.5427, 85.1804,  
88.8842

 10.1156, 7.9894,  
7.9152

 118.8513,  
110.5972, 115.8188

 5.5385, 4.0882,  
3.9537

149.7259,  
140.6253, 147.7094

 2.6045, 1.7230,  
1.6000

185.5317,  
175.6489, 184.9747

 0.9483, 0.4385,  
0.2908

226.6341,

 0.0000, 0.0000,

216.0526, 228.0330

0.0000

273.3986,  
262.2206, 277.3030

■ 37.3589, 32.7535,  
33.6312

■ 37.3589, 32.7535,  
33.6312

■ 33.5508, 27.0482,  
26.4704

■ 41.8405, 39.5322,  
41.8594

■ 30.3808, 22.3569,  
20.3308

■ 47.0236, 47.4306,  
51.1945

■ 27.8140, 18.6211,  
15.1661

■ 52.9377, 56.4982,  
61.6764

■ 25.8112, 15.7746,  
10.9251

■ 59.6098, 66.7798,  
73.3424

■ 24.3285, 13.7429,  
7.5522

■ 67.0658, 78.3181,  
86.2280

■ 23.3149, 12.4388,  
4.9852

■ 74.5578, 89.6092,  
100.1101

■ 22.7017, 11.7412,  
3.1507

■ 76.0582, 90.2094,  
108.0112

■ 22.5757, 11.6004,  
2.7661

# Harmonies

## Analogous

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



36.8838, 32.7535, 42.6644



37.3589, 32.7535, 33.6312



36.0798, 32.7535, 26.4245

# Triad

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



37.3589, 32.7535, 33.6312



27.7116, 32.7535, 23.8090



28.8873, 32.7535, 53.5866

# Complementary

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



37.3589, 32.7535, 33.6312



38.9294, 47.7077, 52.5065

# 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.



26.6572, 32.7535, 46.8371



37.3589, 32.7535, 33.6312



26.0102, 32.7535, 29.4728

# Square

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



37.3589, 32.7535, 33.6312



30.4134, 32.7535, 21.3892



25.6372, 32.7535, 37.7750



31.8602, 32.7535, 55.1897



# Rectangle

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



37.3589, 32.7535, 33.6312



34.4509, 32.7535, 23.2847



25.6372, 32.7535, 37.7750



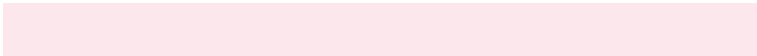
28.0319, 32.7535, 51.7963

# Sweetspot

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



37.3598, 32.7550, 33.6319



84.3858, 84.6957, 91.3055



38.8873, 33.0629, 55.3712



18.1493, 18.0430, 19.4035



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.



37.3598, 32.7550, 33.6319



63.2640, 52.7048, 52.6575



39.0970, 37.4739, 30.3739



10.1491, 10.1082, 10.8757



14.8657, 7.6360, 1.9390



0.6663, 0.3395, 0.2100



# Inverse Universe

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



37.3598, 32.7550, 33.6319



63.2640, 52.7048, 52.6575



36.6636, 41.4395, 57.1053



10.1491, 10.1082, 10.8757



14.8657, 7.6360, 1.9390



0.6663, 0.3395, 0.2100



# Previews

## White Background



This preview shows how the XYZ color 37.3589, 32.7535, 33.6312 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

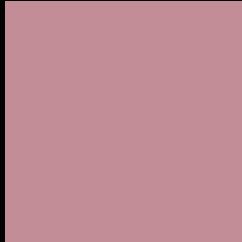
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.3589, 32.7535, 33.6312 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

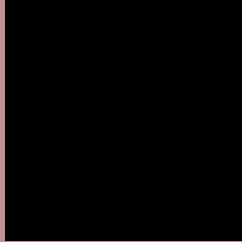
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 37.3589, 32.7535, 33.6312**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.3589, 32.7535, 33.6312.



This preview shows how white text looks on a background with the XYZ color 37.3589, 32.7535,



# 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

37.3589, 32.7535, 33.6312

### Protanopia

31.7182, 32.7825, 37.4568

### Deuteranopia

33.3444, 32.7533, 32.9983



## Tritanopia

37.4405, 32.7861, 34.0608

# Trichromacy



## Original Color

37.3589, 32.7535, 33.6312

## Protanomaly

33.3258, 32.4412, 35.9578

## Deuteranomaly

34.7611, 32.7727, 33.3478

## Tritanomaly

37.4405, 32.7861, 34.0608

# Monochromacy



## Original Color

37.3589, 32.7535, 33.6312

## Achromatopsia

32.4990, 34.1914, 37.2345

## Achromatomaly

33.9392, 33.4810, 35.6840

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.3589, 32.7535, 33.6312 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(194, 141, 151)` looks like.

```
.text, #text, p{  
    color:rgb(194, 141, 151)  
}
```

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(194, 141, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 141, 151) }
```

## Border

The CSS property to change the border of an element to XYZ 37.3589, 32.7535, 33.6312 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(194, 141, 151) }
```



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

```
.border{ border-color:rgb(194, 141, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 141, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 141, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 141, 151);  
box-shadow:4px 4px 4px 4px rgb(194, 141,  
151) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.3589, 32.7535, 33.6312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 141, 151) }
```

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

```
.background{ background-color: rgb(194,  
141, 151) }
```

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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