

# Converting Colors

XYZ(37.6457, 34.2886, 32.2445)

Have a look what the booklet for  
XYZ(37.6457, 34.2886, 32.2445)  
contains.

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# Color

**XYZ(37.6925, 34.3115,  
32.2399)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C19393
RGB	193, 147, 147
RGB Percent	76%, 58%, 58%
CMY	0.2431, 0.4235, 0.4235
CMYK	0.00, 0.24, 0.24, 0.24
HSL	0°, 27%, 67%
HSV	0°, 24%, 76%
XYZ	37.6925, 34.3115, 32.2399
YIQ	160.7540, 27.4160, 9.7520

# Conversions

## Conversions Part 2

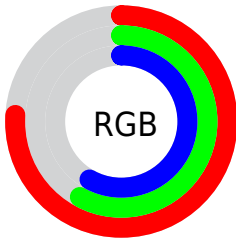
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	193, 147, 147
Decimal	12686227
CIE Lab	65.21, 17.31, 6.71
CIE LCh	65, 18.563, 21.198
Yxy	34.3115, 0.3616, 0.3291
Android (android.graphics.Color)	4290876307 (0xFFC19393)
YUV	160.7540, -6.7807, 28.2797
Hunter-Lab	58.5760, 12.3532, 8.3703

# Details

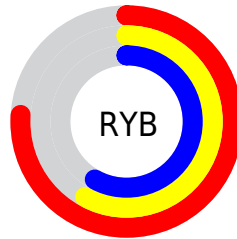
The XYZ color **37.6925, 34.3115, 32.2399** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **40.7277, 48.1918, 57.6077**, and the grayscale version is **33.7845, 35.5439, 38.7073**.

A 20% lighter version of the original color is **70.8536, 66.3143, 64.3239**, and **16.9880, 14.7178, 13.2547** is the 20% darker color. If you saturate the color by 10%, you get **33.5500, 28.2500, 24.0036**, and if you desaturate by 10%, it is **42.5944, 41.4846, 41.9837**.

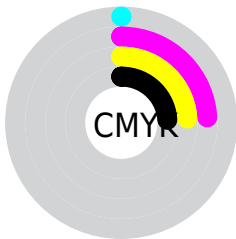
# Distribution



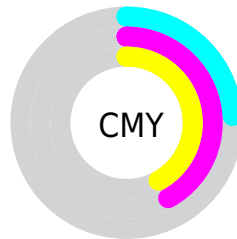
- Red (76%)
- Green (58%)
- Blue (58%)



- Red (76%)
- Yellow (58%)
- Blue (58%)



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




- Cyan (24%)
- Magenta (42%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6925, 34.3115, 32.2399 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 37.6925, 34.3115, 32.2399 by changing the saturation by 10% instead.





 37.6925, 34.3115,  
32.2399


 37.6925, 34.3115,  
32.2399


327.6027,  
321.5188, 326.7370

 25.9202, 23.1330,  
21.2785


 70.9435, 66.4178,  
64.2893

 16.8964, 14.6917,  
13.1345


 93.1530, 88.1144,  
86.2143

 10.2555, 8.6033,  
7.3894

119.5722,  
114.0858, 112.6309

 5.6322, 4.4834,  
3.6247

150.5666,  
144.7164, 143.9576

 2.6613, 1.9475,  
1.4218

186.5015,  
180.3906, 180.6131

 0.9773, 0.5767,  
0.1586

227.7423,

 0.0000, 0.0000,

221.4928, 223.0158

0.0000

274.6542,  
268.4074, 271.5842

■ 37.6925, 34.3115,  
32.2399

■ 37.6925, 34.3115,  
32.2399

■ 33.5500, 28.2500,  
24.0036

■ 42.5944, 41.4846,  
41.9837

■ 30.1263, 23.2402,  
17.1975

■ 48.2881, 49.8159,  
53.3027

■ 27.3813, 19.2235,  
11.7408

■ 54.8073, 59.3554,  
66.2631

■ 25.2700, 16.1339,  
7.5437

■ 62.1833, 70.1483,  
80.9267

■ 23.7417, 13.8975,  
4.5057

■ 70.4454, 82.2379,  
97.3520

■ 22.7380, 12.4287,  
2.5108

■ 75.8024, 90.0775,  
107.9992

■ 22.1886, 11.6247,  
1.4190

■ 21.9926, 11.3379,  
1.0293

# Harmonies

## Analogous

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



38.0127, 34.3115, 39.6796



37.6925, 34.3115, 32.2399



35.9725, 34.3115, 26.9346

# Triad

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



37.6925, 34.3115, 32.2399



28.7335, 34.3115, 28.8003



31.8245, 34.3115, 54.0515

# Complementary

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



37.6925, 34.3115, 32.2399



40.7277, 48.1918, 57.6077

# 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.



29.4677, 34.3115, 50.1770



37.6925, 34.3115, 32.2399



27.7488, 34.3115, 35.1314

# Square

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



37.6925, 34.3115, 32.2399



30.7717, 34.3115, 25.1475



28.0099, 34.3115, 42.9940



34.5243, 34.3115, 52.9961



# Rectangle

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



37.6925, 34.3115, 32.2399



34.3130, 34.3115, 24.9846



28.0099, 34.3115, 42.9940



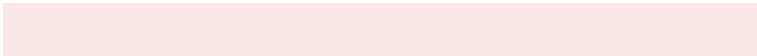
30.9683, 34.3115, 53.2649

# Sweetspot

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



37.6934, 34.3131, 32.2406



82.9836, 84.0983, 88.5063



42.0520, 36.0555, 55.1953



17.6676, 17.8441, 18.7189



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.



37.6934, 34.3131, 32.2406



63.1754, 55.1135, 49.1278



41.6338, 42.1938, 33.5541



10.0733, 10.0780, 10.4762



14.6276, 7.5411, 0.6846



0.6320, 0.3259, 0.0296

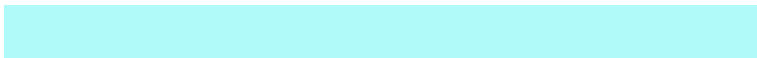


# Inverse Universe

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



40.7277, 48.1918, 57.6077



69.6216, 84.5987, 103.0200



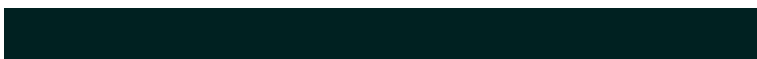
36.0333, 38.8031, 56.0429



10.3685, 11.4283, 12.9442



19.0836, 27.9237, 37.9406

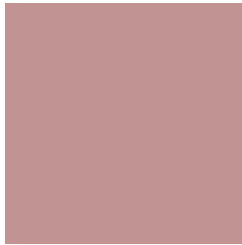


0.8246, 1.2065, 1.6393



# Previews

## White Background



This preview shows how the XYZ color 37.6925, 34.3115, 32.2399 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 37.6925, 34.3115, 32.2399 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

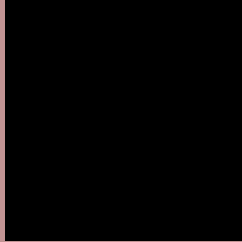
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 37.6925, 34.3115, 32.2399**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.6925, 34.3115, 32.2399.



This preview shows how white text looks on a background with the XYZ color 37.6925, 34.3115,



# 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

37.6925, 34.3115, 32.2399

### Protanopia

33.0809, 34.5402, 35.0604

### Deuteranopia

35.1699, 34.4415, 31.9883



## Tritanopia

38.4593, 34.1545, 36.4637

# Trichromacy



## Original Color

37.6925, 34.3115, 32.2399

## Protanomaly

34.5971, 34.3442, 34.0838

## Deuteranomaly

36.0221, 34.3989, 31.9352

## Tritanomaly

38.2768, 34.3270, 34.7454

# Monochromacy



## Original Color

37.6925, 34.3115, 32.2399

## Achromatopsia

33.8758, 35.6400, 38.8120

## Achromatomaly

35.1228, 35.0615, 36.3689

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.6925, 34.3115, 32.2399 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(193, 147, 147)` looks like.

```
.text, #text, p{  
    color:rgb(193, 147, 147)  
}
```

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(193, 147, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 147, 147) }
```

## Border

The CSS property to change the border of an element to XYZ 37.6925, 34.3115, 32.2399 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(193, 147, 147) }
```



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

```
.border{ border-color:rgb(193, 147, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 147, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 147, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 147, 147);  
box-shadow:4px 4px 4px 4px rgb(193, 147,  
147) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.6925, 34.3115, 32.2399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 147, 147) }
```

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

```
.background{ background-color: rgb(193,  
147, 147) }
```

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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