

# Converting Colors

XYZ(37.6165, 34.3647, 71.3432)

Have a look what the booklet for  
XYZ(37.6165, 34.3647, 71.3432)  
contains.

<b>XYZ(37.7574, 34.4158, 71.6707)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(37.7574, 34.4158,  
71.6707)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9D97DB
RGB	157, 151, 219
RGB Percent	62%, 59%, 86%
CMY	0.3843, 0.4078, 0.1412
CMYK	0.28, 0.31, 0.00, 0.14
HSL	245°, 49%, 73%
HSV	245°, 31%, 86%
XYZ	37.7574, 34.4158, 71.6707
YIQ	160.5460, -18.2520, 22.4200

# Conversions

## Conversions Part 2

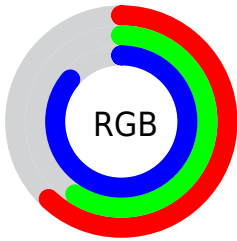
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	157, 151, 219
Decimal	10328027
CIE <sub>Lab</sub>	65.29, 17.16, -33.82
CIE <sub>LCh</sub>	65, 37.925, 296.908
Yxy	34.4158, 0.2625, 0.2393
Android (android.graphics.Color)	4288518107 (0xFF9D97DB)
YUV	160.5460, 28.8178, -3.1098
Hunter-Lab	58.6650, 12.2208, -31.3688

# Details

The XYZ color **37.7574, 34.4158, 71.6707** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **58.3589, 67.0443, 39.1445**, and the grayscale version is **33.5436, 35.2905, 38.4314**.

A 20% lighter version of the original color is **67.3219, 65.0288, 103.6113**, and **16.9669, 14.7377, 37.0724** is the 20% darker color. If you saturate the color by 10%, you get **30.9724, 26.1635, 70.4361**, and if you desaturate by 10%, it is **45.8361, 44.3082, 73.1549**.

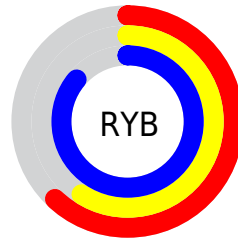
# Distribution



Red (62%)

Green (59%)

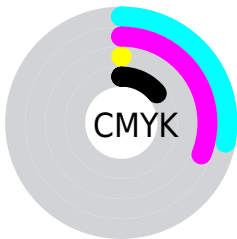
Blue (86%)



Red (62%)

Yellow (59%)

Blue (86%)

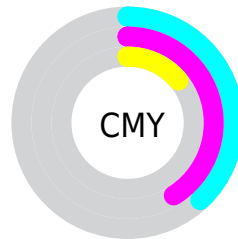


Cyan (28%)

Magenta (31%)

Yellow (0%)

Black (14%)



Cyan (38%)

Magenta (41%)

Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7574, 34.4158, 71.6707 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 37.7574, 34.4158, 71.6707 by changing the saturation by 10% instead.



■ 37.7574, 34.4158,  
71.6707

■ 37.7574, 34.4158,  
71.6707

327.8770,  
321.9821, 485.3413

■ 25.9708, 23.2132,  
52.4045

■ 71.0424, 66.5798,  
123.2916

■ 16.9344, 14.7510,  
36.9432

■ 93.2716, 88.3099,  
156.4834

■ 10.2827, 8.6448,  
24.8680

119.7123,  
114.3180, 195.1542

■ 5.6505, 4.5103,  
15.7606

150.7300,  
144.9885, 239.7224

■ 2.6724, 1.9629,  
9.2024

186.6899,  
180.7058, 290.6067

■ 0.9830, 0.5858,  
4.7748

227.9575,

■ 0.0000, 0.0000,

221.8542, 348.2256

2.0593

274.8981,  
268.8182, 412.9976

■ 0.0000, 0.0000,  
0.5914

■ 0.0000, 0.0000,  
0.0000

■ 37.7574, 34.4158,  
71.6707

■ 37.7574, 34.4158,  
71.6707

■ 30.9724, 26.1635,  
70.4361

■ 45.8361, 44.3082,  
73.1549

■ 25.4103, 19.4589,  
69.4351

■ 55.2672, 55.9187,  
74.8989

■ 20.9990, 14.2062,  
68.6537

■ 66.1102, 69.3248,  
76.9151

■ 17.6574, 10.2976,  
68.0754

■ 78.4199, 84.5985,  
79.2144

■ 15.2934, 7.6101,  
67.6813

■ 89.7863, 97.8945,  
81.1817

■ 13.7995, 5.9979,  
67.4488

■ 13.0612, 5.2562,  
67.3446

# Harmonies

## Analogous

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



32.1416, 34.4158, 76.7945



37.7574, 34.4158, 71.6707



42.4412, 34.4158, 56.6559

# Triad

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



37.7574, 34.4158, 71.6707



38.8598, 34.4158, 17.3286



23.2101, 34.4158, 35.8561

# Complementary

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



37.7574, 34.4158, 71.6707



58.3589, 67.0443, 39.1445

# 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.



24.5950, 34.4158, 23.1974



37.7574, 34.4158, 71.6707



33.2874, 34.4158, 14.5659

# Square

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



37.7574, 34.4158, 71.6707



43.1264, 34.4158, 25.3233



28.1359, 34.4158, 16.3659



24.1243, 34.4158, 52.9942



# Rectangle

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



37.7574, 34.4158, 71.6707



44.1857, 34.4158, 44.7943



28.1359, 34.4158, 16.3659



23.4180, 34.4158, 30.9963

# Sweetspot

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



37.7586, 34.4171, 71.6715



80.8770, 82.4665, 106.2627



49.4278, 59.4510, 75.8885



16.8542, 17.0873, 22.6598



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.



37.7586, 34.4171, 71.6715



47.0905, 41.0198, 100.0434



45.2560, 38.2822, 72.0224



12.4447, 12.6718, 16.4421



7.7835, 3.1367, 39.9336



0.5419, 0.2226, 2.5889



# Inverse Universe

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



52.2912, 41.9986, 68.3022



70.6622, 53.3230, 94.3013



49.5860, 62.5217, 38.7340



13.5622, 13.2540, 16.2220



23.5024, 11.4020, 33.3553



1.5375, 0.7446, 2.2392



# Previews

## White Background



This preview shows how the XYZ color 37.7574, 34.4158, 71.6707 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

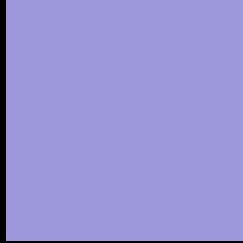
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.7574, 34.4158, 71.6707 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

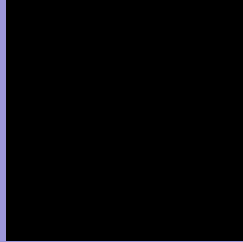
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 37.7574, 34.4158, 71.6707**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.7574, 34.4158, 71.6707.



This preview shows how white text looks on a background with the XYZ color 37.7574, 34.4158,



# 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

37.7574, 34.4158, 71.6707

### Protanopia

35.6890, 34.5079, 74.5917

### Deuteranopia

35.3586, 34.4143, 71.1087



## Tritanopia

32.3264, 34.4546, 44.4818

# Trichromacy



## Original Color

37.7574, 34.4158, 71.6707

## Protanomaly

36.4175, 34.4049, 73.8286

## Deuteranomaly

36.0646, 34.2842, 71.0464

## Tritanomaly

34.1137, 34.4110, 53.5592

# Monochromacy



## Original Color

37.7574, 34.4158, 71.6707

## Achromatopsia

33.8758, 35.6400, 38.8120

## Achromatomaly

34.9977, 34.9649, 49.1603

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.7574, 34.4158, 71.6707 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(157, 151, 219)` looks like.

```
.text, #text, p{  
    color:rgb(157, 151, 219)  
}
```

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(157, 151, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 151, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 37.7574, 34.4158, 71.6707 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".

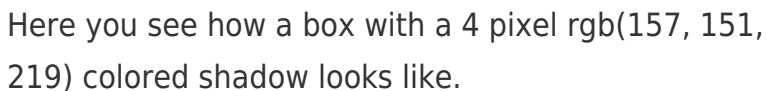
```
.border, #border, table{ border:4px solid rgb(157, 151, 219) }
```



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

```
.border{ border-color:rgb(157, 151, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 151, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 151, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 151, 219);  
box-shadow:4px 4px 4px 4px rgb(157, 151,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.7574, 34.4158, 71.6707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 151, 219) }
```

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

```
.background{ background-color: rgb(157,  
151, 219) }
```

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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