

# Converting Colors

XYZ(37.3332, 35.7878, 64.8226)

Have a look what the booklet for  
XYZ(37.3332, 35.7878, 64.8226)  
contains.

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# Color

**XYZ(37.3468, 35.8361,  
64.6232)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9D9DD0
RGB	157, 157, 208
RGB Percent	62%, 62%, 82%
CMY	0.3843, 0.3843, 0.1843
CMYK	0.25, 0.25, 0.00, 0.18
HSL	240°, 35%, 72%
HSV	240°, 25%, 82%
XYZ	37.3468, 35.8361, 64.6232
YIQ	162.8140, -16.3710, 15.8610

# Conversions

## Conversions Part 2

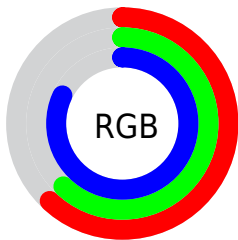
<b>Format</b>	<b>Color</b>
<b>RYB</b>	157, 157, 208
Decimal	10329552
CIELab	66.39, 11.07, -26.02
CIELCh	66, 28.274, 293.051
Yxy	35.8361, 0.2710, 0.2600
Android (android.graphics.Color)	4288519632 (0xFF9D9DD0)
YUV	162.8140, 22.2767, -5.0989
Hunter-Lab	59.8633, 6.5998, -22.1001

# Details

The XYZ color **37.3468, 35.8361, 64.6232** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **54.6547, 60.9564, 40.7847**, and the grayscale version is **34.6299, 36.4333, 39.6759**.

A 20% lighter version of the original color is **68.4956, 67.8056, 104.0854**, and **16.7295, 15.6112, 32.2685** is the 20% darker color. If you saturate the color by 10%, you get **30.4044, 27.4710, 63.3751**, and if you desaturate by 10%, it is **45.5814, 45.7583, 66.1050**.

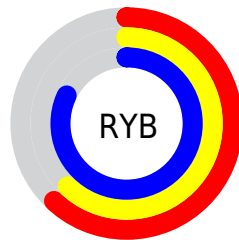
# Distribution



Red (62%)

Green (62%)

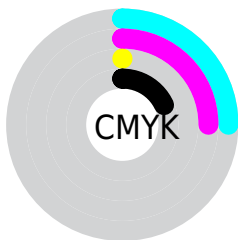
Blue (82%)



Red (62%)

Yellow (62%)

Blue (82%)

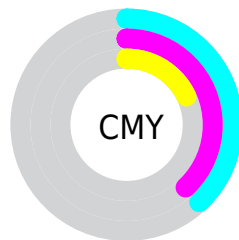


Cyan (25%)

Magenta (25%)

Yellow (0%)

Black (18%)



Cyan (38%)

Magenta (38%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3468, 35.8361, 64.6232 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 37.3468, 35.8361, 64.6232 by changing the saturation by 10% instead.



■ 37.3468, 35.8361,  
64.6232

■ 37.3468, 35.8361,  
64.6232

326.1391,  
328.2436, 459.7058

■ 25.6510, 24.3076,  
46.7062

■ 70.4162, 68.7790,  
113.1160

■ 16.6941, 15.5620,  
32.4508

■ 92.5206, 90.9623,  
144.5290

■ 10.1106, 9.2147,  
21.4384

118.8252,  
117.4659, 181.2776

■ 5.5351, 4.8815,  
13.2505

149.6953,  
148.6743, 223.7806

■ 2.6025, 2.1779,  
7.4685

185.4965,  
184.9719, 272.4563

■ 0.9472, 0.7079,  
3.6739

226.5939,

■ 0.0000, 0.0000,

226.7430, 327.7234

1.4482

273.3530,  
274.3721, 390.0004

■ 0.0000, 0.0000,  
0.1789

■ 0.0000, 0.0000,  
0.0000

■ 37.3468, 35.8361,  
64.6232

■ 37.3468, 35.8361,  
64.6232

■ 30.4044, 27.4710,  
63.3751

■ 45.5814, 45.7583,  
66.1050

■ 24.6854, 20.5800,  
62.3464

■ 55.1655, 57.3064,  
67.8288

■ 20.1200, 15.0790,  
61.5252

■ 66.1569, 70.5503,  
69.8059

■ 16.6298, 10.8735,  
60.8974

■ 78.6093, 85.5546,  
72.0457

■ 14.1269, 7.8576,  
60.4472

■ 88.3853, 97.3341,  
73.8041

■ 12.5093, 5.9085,  
60.1563

■ 11.6530, 4.8768,  
60.0023

■ 11.3853, 4.5542,  
59.9541

# Harmonies

## Analogous

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



33.0864, 35.8361, 67.0166



37.3468, 35.8361, 64.6232



40.9849, 35.8361, 54.7662

# Triad

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



37.3468, 35.8361, 64.6232



39.1889, 35.8361, 23.2046



26.6072, 35.8361, 36.2681

# Complementary

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



37.3468, 35.8361, 64.6232



54.6547, 60.9564, 40.7847

# 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.



27.9647, 35.8361, 26.6235



37.3468, 35.8361, 64.6232



35.0548, 35.8361, 20.1606

# Square

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



37.3468, 35.8361, 64.6232



42.1084, 35.8361, 30.5893



30.9741, 35.8361, 21.2679



27.1106, 35.8361, 48.8714



# Rectangle

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



37.3468, 35.8361, 64.6232



42.4505, 35.8361, 46.2129



30.9741, 35.8361, 21.2679



26.8570, 35.8361, 32.6141

# Sweetspot

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



37.3480, 35.8375, 64.6240



83.3528, 85.9057, 106.7960



47.7422, 56.7930, 67.5742



17.6363, 18.1407, 22.8219



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.



37.3480, 35.8375, 64.6240



53.6520, 50.1182, 101.4538



42.6520, 38.5717, 64.8722



11.1637, 11.4177, 14.8591



7.0959, 2.8384, 37.3664



0.3968, 0.1587, 2.0893



# Inverse Universe

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



44.1562, 39.9593, 37.2854



66.1197, 57.6664, 51.3892



48.2544, 57.6571, 40.4852



11.8088, 11.8083, 12.2689



16.2124, 8.3578, 0.7588

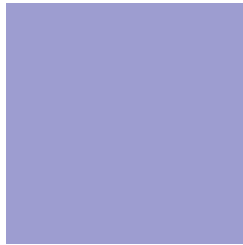


0.9065, 0.4673, 0.0424



# Previews

## White Background



This preview shows how the XYZ color 37.3468, 35.8361, 64.6232 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 37.3468, 35.8361, 64.6232 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

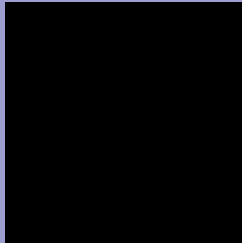
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 37.3468, 35.8361, 64.6232**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.3468, 35.8361, 64.6232.



This preview shows how white text looks on a background with the XYZ color 37.3468, 35.8361,



# 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

37.3468, 35.8361, 64.6232

### Protanopia

36.2437, 35.7453, 65.9621

### Deuteranopia

36.5609, 35.6832, 64.6351



## Tritanopia

33.6962, 35.9083, 46.2293

# Trichromacy



## Original Color

37.3468, 35.8361, 64.6232

## Protanomaly

36.4980, 35.6365, 65.2765

## Deuteranomaly

36.9385, 35.8778, 64.6528

## Tritanomaly

34.9588, 35.8929, 52.6624

# Monochromacy



## Original Color

37.3468, 35.8361, 64.6232

## Achromatopsia

34.8123, 36.6253, 39.8849

## Achromatomaly

35.5795, 36.3215, 47.7833

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.3468, 35.8361, 64.6232 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, 157, 208)` looks like.

```
.text, #text, p{  
    color:rgb(157, 157, 208)  
}
```

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, 157, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 157, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 37.3468, 35.8361, 64.6232 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".

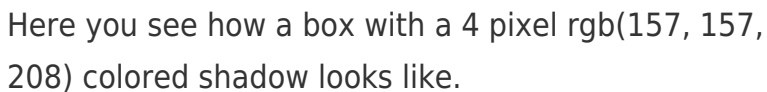
```
.border, #border, table{ border:4px solid rgb(157, 157, 208) }
```



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

```
.border{ border-color:rgb(157, 157, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 157, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 157, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 157, 208); box-shadow:4px 4px 4px 4px rgb(157, 157, 208) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.3468, 35.8361, 64.6232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 157, 208) }
```

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

```
.background{ background-color: rgb(157,  
157, 208) }
```

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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