

Converting Colors

XYZ(37.9628, 33.2692, 68.5177)

Have a look what the booklet for
XYZ(37.9628, 33.2692, 68.5177)
contains.

XYZ(37.9082, 33.1564, 68.6918)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.9082, 33.1564,
68.6918)**

Conversions

Conversions Part 1

Format	Color
Hex	A591D7
RGB	165, 145, 215
RGB Percent	65%, 57%, 84%
CMY	0.3529, 0.4314, 0.1569
CMYK	0.23, 0.33, 0.00, 0.16
HSL	257°, 47%, 71%
HSV	257°, 33%, 84%
XYZ	37.9082, 33.1564, 68.6918
YIQ	158.9600, -10.5500, 26.0100

Conversions

Conversions Part 2

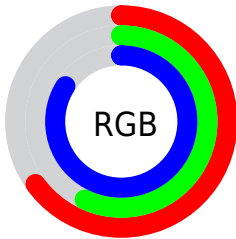
Format	Color
R_{YB}	165, 145, 215
Decimal	10850775
CIE _{Lab}	64.29, 21.98, -33.11
CIE _{LCh}	64, 39.737, 303.581
Yxy	33.1564, 0.2712, 0.2372
Android (android.graphics.Color)	4289040855 (0xFFA591D7)
YUV	158.9600, 27.6277, 5.2971
Hunter-Lab	57.5816, 16.7457, -30.4227

Details

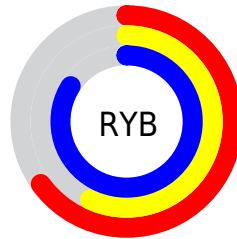
The XYZ color **37.9082, 33.1564, 68.6918** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **51.9177, 62.2480, 36.0681**, and the grayscale version is **32.8185, 34.5276, 37.6006**.

A 20% lighter version of the original color is **68.2922, 63.4390, 103.2533**, and **17.0300, 13.9882, 35.0601** is the 20% darker color. If you saturate the color by 10%, you get **31.9239, 25.6479, 67.5585**, and if you desaturate by 10%, it is **44.9000, 42.1086, 70.0518**.

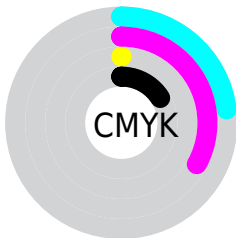
Distribution



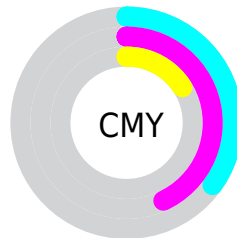
- Red (65%)
- Green (57%)
- Blue (84%)



- Red (65%)
- Yellow (57%)
- Blue (84%)



- Cyan (23%)
- Magenta (33%)
- Yellow (0%)
- Black (16%)



- Cyan (35%)
- Magenta (43%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9082, 33.1564, 68.6918 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 37.9082, 33.1564, 68.6918 by changing the saturation by 10% instead.

■ 37.9082, 33.1564,
68.6918

■ 37.9082, 33.1564,
68.6918

328.5137,
316.3539, 474.6077

■ 26.0883, 22.2463,
49.9906

■ 71.2722, 64.6196,
119.0048

■ 17.0228, 14.0380,
35.0348

■ 93.5471, 85.9415,
151.4537

■ 10.3461, 8.1471,
23.4059

120.0377,
111.5028, 189.3221

■ 5.6931, 4.1892,
14.6854

151.1093,
141.6879, 233.0288

■ 2.6982, 1.7800,
8.4547

187.1274,
176.8811, 282.9921

■ 0.9963, 0.4746,
4.2953

228.4572,

■ 0.0000, 0.0000,

217.4670, 339.6307

1.7887

275.4642,
263.8297, 403.3630

■ 0.0000, 0.0000,
0.4205

■ 0.0000, 0.0000,
0.0000

■ 37.9082, 33.1564,
68.6918

■ 37.9082, 33.1564,
68.6918

■ 31.9239, 25.6479,
67.5585

■ 44.9000, 42.1086,
70.0518

■ 26.8951, 19.5017,
66.6372

■ 52.9412, 52.5720,
71.6476

■ 22.7698, 14.6347,
65.9152

■ 62.0752, 64.6145,
73.4906

■ 19.4896, 10.9522,
65.3773

■ 72.3422, 78.2987,
75.5908

■ 16.9882, 8.3463,
65.0061

■ 83.7800, 93.6837,
77.9576

■ 15.1882, 6.6880,
64.7809

■ 89.2658, 97.6863,
78.4411

■ 14.2169, 5.9121,
64.6824

Harmonies

Analogous

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



32.1971, 33.1564, 76.8709



37.9082, 33.1564, 68.6918



42.2704, 33.1564, 51.7770

Triad

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



37.9082, 33.1564, 68.6918



36.5953, 33.1564, 14.8028



21.8737, 33.1564, 38.0786

Complementary

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



37.9082, 33.1564, 68.6918



51.9177, 62.2480, 36.0681

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.



22.7575, 33.1564, 23.9601



37.9082, 33.1564, 68.6918



30.8410, 33.1564, 13.1129

Square

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



37.9082, 33.1564, 68.6918



41.4511, 33.1564, 21.4909



25.8829, 33.1564, 15.9007



23.3076, 33.1564, 56.1734

Rectangle

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



37.9082, 33.1564, 68.6918



43.5798, 33.1564, 39.6903



25.8829, 33.1564, 15.9007



21.9104, 33.1564, 32.7362

Sweetspot

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



37.9093, 33.1577, 68.6926



81.0614, 81.5034, 106.0671



43.4963, 50.0320, 71.6552



16.9584, 16.9302, 22.6240



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.



37.9093, 33.1577, 68.6926



49.6218, 41.0322, 99.9124



46.1670, 37.4147, 69.0790



12.0725, 12.1788, 15.6520



8.5941, 3.5829, 38.6918



0.5996, 0.2580, 2.3375

Inverse Universe

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



48.0009, 38.6391, 56.5587



66.8611, 50.4094, 78.5794



43.9428, 58.1368, 35.6948



12.7947, 12.5694, 14.8591



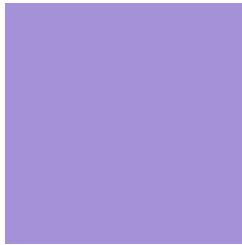
20.2770, 10.0471, 19.2944



1.2578, 0.6199, 1.3472

Previews

White Background



This preview shows how the XYZ color 37.9082, 33.1564, 68.6918 looks on a white background.

Color Contrast Check

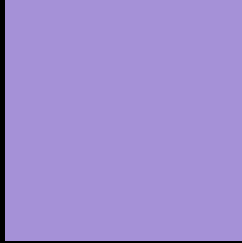
Large Text (above 18pt) WCAG AA × Fail

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 37.9082, 33.1564, 68.6918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

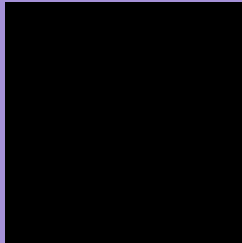
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.9082, 33.1564, 68.6918

Background



This preview shows how black text looks on a background with the XYZ color 37.9082, 33.1564, 68.6918.



This preview shows how white text looks on a background with the XYZ color 37.9082, 33.1564,

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

37.9082, 33.1564, 68.6918

Protanopia

34.5719, 33.4535, 73.7423

Deuteranopia

34.0471, 33.3186, 67.5874



Tritanopia

32.4067, 33.3006, 41.2789

Trichromacy



Original Color

37.9082, 33.1564, 68.6918

Protanomaly

35.5298, 33.2674, 71.5665

Deuteranomaly

35.4169, 33.2842, 68.1761

Tritanomaly

34.0164, 32.9648, 49.9174

Monochromacy



Original Color

37.9082, 33.1564, 68.6918

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

34.3902, 33.9429, 47.3869

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9082, 33.1564, 68.6918 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(165, 145, 215)` looks like.

```
.text, #text, p{  
    color:rgb(165, 145, 215)  
}
```

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(165, 145, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 145, 215) }
```

Border

The CSS property to change the border of an element to XYZ 37.9082, 33.1564, 68.6918 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(165, 145, 215) }
```


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

```
.border{ border-color:rgb(165, 145, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 145, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 145, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 145, 215);  
box-shadow:4px 4px 4px 4px rgb(165, 145,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9082, 33.1564, 68.6918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 145, 215) }
```

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

```
.background{ background-color: rgb(165,  
145, 215) }
```

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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