

Converting Colors

XYZ(37.3019, 33.0326, 67.2469)

Have a look what the booklet for
XYZ(37.3019, 33.0326, 67.2469)
contains.

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Color

**XYZ(37.3934, 33.1484,
67.3782)**

Conversions

Conversions Part 1

Format	Color
Hex	A392D5
RGB	163, 146, 213
RGB Percent	64%, 57%, 84%
CMY	0.3608, 0.4274, 0.1647
CMYK	0.23, 0.31, 0.00, 0.16
HSL	255°, 44%, 70%
HSV	255°, 31%, 84%
XYZ	37.3934, 33.1484, 67.3782
YIQ	158.7210, -11.3750, 24.4410

Conversions

Conversions Part 2

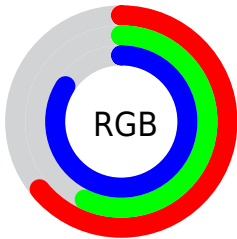
Format	Color
RYB	163, 146, 213
Decimal	10719957
CIELab	64.28, 20.33, -32.02
CIELCh	64, 37.927, 302.420
Yxy	33.1484, 0.2711, 0.2403
Android (android.graphics.Color)	4288910037 (0xFFA392D5)
YUV	158.7210, 26.7595, 3.7527
Hunter-Lab	57.5746, 15.1760, -29.0834

Details

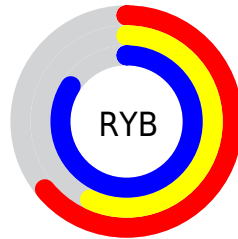
The XYZ color **37.3934, 33.1484, 67.3782** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **51.7483, 61.4003, 36.3195**, and the grayscale version is **32.7138, 34.4174, 37.4806**.

A 20% lighter version of the original color is **67.9177, 63.5886, 103.3019**, and **16.6942, 13.9680, 34.1640** is the 20% darker color. If you saturate the color by 10%, you get **31.3583, 25.6093, 66.2416**, and if you desaturate by 10%, it is **44.4516, 42.1244, 68.7393**.

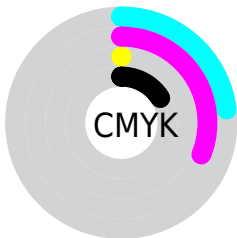
Distribution



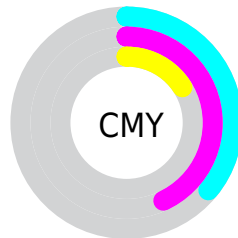
- Red (64%)
- Green (57%)
- Blue (84%)



- Red (64%)
- Yellow (57%)
- Blue (84%)



- Cyan (23%)
- Magenta (31%)
- Yellow (0%)
- Black (16%)



- Cyan (36%)
- Magenta (43%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3934, 33.1484, 67.3782 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 37.3934, 33.1484, 67.3782 by changing the saturation by 10% instead.

■ 37.3934, 33.1484,
67.3782

■ 37.3934, 33.1484,
67.3782

326.3366,
316.3179, 469.8279

■ 25.6873, 22.2402,
48.9285

■ 70.4873, 64.6071,
117.1080

■ 16.7213, 14.0335,
34.1976

■ 92.6059, 85.9264,
149.2251

■ 10.1301, 8.1439,
22.7668

118.9259,
111.4849, 186.7352

■ 5.5482, 4.1872,
14.2178

149.8129,
141.6668, 230.0567

■ 2.6104, 1.7788,
8.1318

185.6321,
176.8567, 279.6081

■ 0.9513, 0.4739,
4.0904

226.7489,

■ 0.0000, 0.0000,

217.4389, 335.8081

1.6751

273.5286,
263.7979, 399.0752

■ 0.0000, 0.0000,
0.3436

■ 0.0000, 0.0000,
0.0000

■ 37.3934, 33.1484,
67.3782

■ 37.3934, 33.1484,
67.3782

■ 31.3583, 25.6093,
66.2416

■ 44.4516, 42.1244,
68.7393

■ 26.2936, 19.4272,
65.3153

■ 52.5752, 52.6036,
70.3338

■ 22.1473, 14.5206,
64.5868

■ 61.8082, 64.6527,
72.1729

■ 18.8602, 10.7970,
64.0413

■ 72.1911, 78.3335,
74.2663

■ 16.3662, 8.1514,
63.6621

■ 83.7623, 93.7041,
76.6233

■ 14.5881, 6.4590,
63.4292

■ 89.0103, 97.5841,
77.0956

■ 13.5341, 5.5896,
63.3169

Harmonies

Analogous

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



31.9460, 33.1484, 74.5921



37.3934, 33.1484, 67.3782



41.6101, 33.1484, 51.6461

Triad

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



37.3934, 33.1484, 67.3782



36.5506, 33.1484, 15.6649



22.2481, 33.1484, 37.3602

Complementary

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



37.3934, 33.1484, 67.3782



51.7483, 61.4003, 36.3195

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.



23.1872, 33.1484, 24.0252



37.3934, 33.1484, 67.3782



31.0712, 33.1484, 13.8245

Square

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



37.3934, 33.1484, 67.3782



41.0858, 33.1484, 22.4088



26.2724, 33.1484, 16.3940



23.5456, 33.1484, 54.4506

Rectangle

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



37.3934, 33.1484, 67.3782



42.9320, 33.1484, 40.1500



26.2724, 33.1484, 16.3940



22.3126, 33.1484, 32.3189

Sweetspot

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



37.3945, 33.1497, 67.3790



82.1380, 83.1166, 106.3217



43.6617, 50.5088, 70.3993



17.1623, 17.2461, 22.6742



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.



37.3945, 33.1497, 67.3790



49.7479, 41.7367, 100.0417



45.1201, 37.1324, 67.7405



12.0350, 12.1594, 15.6502



8.3474, 3.4557, 38.6802



0.5805, 0.2481, 2.3366

Inverse Universe

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



47.6842, 38.6906, 57.1802



67.8250, 51.4843, 81.5304



44.0367, 57.4248, 35.9586



12.8122, 12.5764, 14.9510



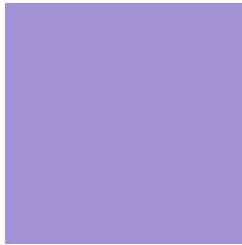
20.6254, 10.1865, 21.1291



1.2765, 0.6274, 1.4454

Previews

White Background



This preview shows how the XYZ color 37.3934, 33.1484, 67.3782 looks on a white background.

Color Contrast Check

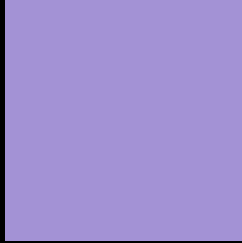
Large Text (above 18pt) WCAG AA × Fail

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 37.3934, 33.1484, 67.3782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

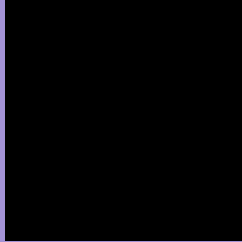
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.3934, 33.1484, 67.3782

Background



This preview shows how black text looks on a background with the XYZ color 37.3934, 33.1484, 67.3782.



This preview shows how white text looks on a background with the XYZ color 37.3934, 33.1484,

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

37.3934, 33.1484, 67.3782

Protanopia

34.4951, 33.4599, 71.6582

Deuteranopia

34.1287, 33.3898, 66.2741



Tritanopia

32.2140, 33.2013, 41.2698

Trichromacy



Original Color

37.3934, 33.1484, 67.3782

Protanomaly

35.4451, 33.2540, 70.1961

Deuteranomaly

35.1630, 33.1826, 66.8389

Tritanomaly

33.9805, 33.1863, 49.9620

Monochromacy



Original Color

37.3934, 33.1484, 67.3782

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

34.1895, 33.8395, 47.3775

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3934, 33.1484, 67.3782 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(163, 146, 213)` looks like.

```
.text, #text, p{  
    color:rgb(163, 146, 213)  
}
```

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(163, 146, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 146, 213) }
```

Border

The CSS property to change the border of an element to XYZ 37.3934, 33.1484, 67.3782 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(163, 146, 213) }
```


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

```
.border{ border-color:rgb(163, 146, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 146, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 146, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 146, 213);  
box-shadow:4px 4px 4px 4px rgb(163, 146,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3934, 33.1484, 67.3782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 146, 213) }
```

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

```
.background{ background-color: rgb(163,  
146, 213) }
```

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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