

Converting Colors

XYZ(36.9957, 34.2114, 52.2284)

Have a look what the booklet for
XYZ(36.9957, 34.2114, 52.2284)
contains.

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Color

**XYZ(36.9967, 34.2142,
52.2310)**

Conversions

Conversions Part 1

Format	Color
Hex	AC96BC
RGB	172, 150, 188
RGB Percent	67%, 59%, 74%
CMY	0.3255, 0.4117, 0.2627
CMYK	0.09, 0.20, 0.00, 0.26
HSL	275°, 22%, 66%
HSV	275°, 20%, 74%
XYZ	36.9967, 34.2142, 52.2310
YIQ	160.9100, 0.9140, 16.4820

Conversions

Conversions Part 2

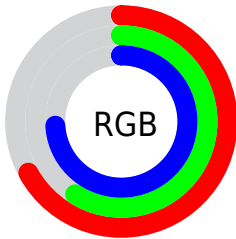
Format	Color
RYB	172, 150, 188
Decimal	11310780
CIELab	65.13, 15.36, -16.68
CIELCh	65, 22.677, 312.650
Yxy	34.2142, 0.2997, 0.2772
Android (android.graphics.Color)	4289500860 (0xFFAC96BC)
YUV	160.9100, 13.3554, 9.7259
Hunter-Lab	58.4929, 10.5385, -11.9977

Details

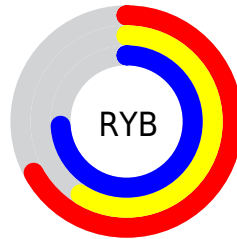
The XYZ color **36.9967, 34.2142, 52.2310** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **39.2153, 46.2763, 35.7212**, and the grayscale version is **33.7751, 35.5340, 38.6965**.

A 20% lighter version of the original color is **69.9169, 66.2114, 94.6830**, and **16.4428, 14.5949, 24.8721** is the 20% darker color. If you saturate the color by 10%, you get **32.5484, 27.8199, 51.2318**, and if you desaturate by 10%, it is **42.0320, 41.6274, 53.3970**.

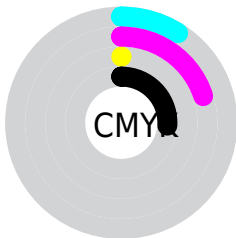
Distribution



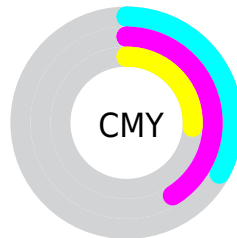
- Red (67%)
- Green (59%)
- Blue (74%)



- Red (67%)
- Yellow (59%)
- Blue (74%)



- Cyan (9%)
- Magenta (20%)
- Yellow (0%)
- Black (26%)



- Cyan (33%)
- Magenta (41%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9967, 34.2142, 52.2310 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 36.9967, 34.2142, 52.2310 by changing the saturation by 10% instead.

■ 36.9967, 34.2142,
52.2310

■ 36.9967, 34.2142,
52.2310

324.6520,
321.0861, 412.3100

■ 25.3786, 23.0582,
36.8057

■ 69.8816, 66.2666,
94.9019

■ 16.4896, 14.6365,
24.7625

■ 91.8791, 87.9318,
122.9846

■ 9.9643, 8.5647,
15.6828

118.0670,
113.8689, 156.1234

■ 5.4374, 4.4583,
9.1481

148.8109,
144.4623, 194.7371

■ 2.5435, 1.9331,
4.7397

184.4760,
180.0963, 239.2440

■ 0.9172, 0.5682,
2.0393

225.4276,

■ 0.0000, 0.0000,

221.1553, 290.0628

0.5793

272.0312,
268.0238, 347.6120

■ 0.0000, 0.0000,
0.0000

■ 36.9967, 34.2142,
52.2310

■ 36.9967, 34.2142,
52.2310

■ 32.5484, 27.8199,
51.2318

■ 42.0320, 41.6274,
53.3970

■ 28.6591, 22.3933,
50.3893

■ 47.6741, 50.0987,
54.7348

■ 25.3033, 17.8855,
49.6961

■ 53.9459, 59.6706,
56.2518

■ 22.4520, 14.2412,
49.1429

■ 60.8681, 70.3821,
57.9545

■ 20.0732, 11.3991,
48.7197

■ 68.4603, 82.2699,
59.8489

■ 18.1304, 9.2895,
48.4149

■ 74.2008, 90.2884,
61.0941

■ 16.5810, 7.8301,
48.2149

■ 76.6467, 91.5493,
61.2085

■ 15.3641, 6.8719,
48.0941

■ 79.2075, 92.8694,
61.3284

■ 81.8846, 94.2495,
61.4537

Harmonies

Analogous

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



33.9247, 34.2142, 57.8748



36.9967, 34.2142, 52.2310



38.9393, 34.2142, 42.9216

Triad

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



36.9967, 34.2142, 52.2310



34.4428, 34.2142, 22.4981



26.7293, 34.2142, 41.3636

Complementary

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



36.9967, 34.2142, 52.2310



39.2153, 46.2763, 35.7212

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.



26.8473, 34.2142, 32.1076



36.9967, 34.2142, 52.2310



31.1538, 34.2142, 22.2244

Square

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



36.9967, 34.2142, 52.2310



37.3979, 34.2142, 26.2773



28.4190, 34.2142, 25.4536



28.0851, 34.2142, 50.9260

Rectangle

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



36.9967, 34.2142, 52.2310



39.2571, 34.2142, 36.4220



28.4190, 34.2142, 25.4536



26.6007, 34.2142, 38.0974

Sweetspot

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



36.9978, 34.2156, 52.2318



80.2458, 81.5202, 97.7318



35.3773, 37.5587, 52.9624



17.1153, 17.3191, 20.9834



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.9978, 34.2156, 52.2318



63.5537, 56.9436, 93.8678



40.4527, 36.0280, 50.9803



9.5312, 9.4907, 12.0017



10.5469, 4.7232, 32.7487



0.4862, 0.2227, 1.2862

Inverse Universe

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



38.5295, 35.2587, 40.8529



66.8866, 59.2070, 69.3907



36.2734, 44.7359, 36.6600



9.6923, 9.6012, 10.7689



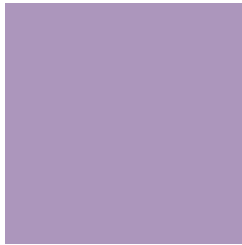
15.1205, 7.6794, 5.9283



0.6250, 0.3139, 0.4045

Previews

White Background



This preview shows how the XYZ color 36.9967, 34.2142, 52.2310 looks on a white background.

Color Contrast Check

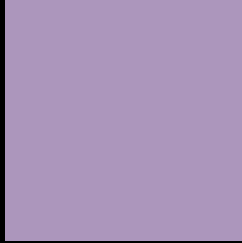
Large Text (above 18pt) WCAG AA × Fail

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 36.9967, 34.2142, 52.2310 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 36.9967, 34.2142, 52.2310

Background



This preview shows how black text looks on a background with the XYZ color 36.9967, 34.2142, 52.2310.



This preview shows how white text looks on a background with the XYZ color 36.9967, 34.2142,

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

36.9967, 34.2142, 52.2310

Protanopia

34.2603, 34.4482, 55.2955

Deuteranopia

34.8233, 34.0700, 51.7545



Tritanopia

34.8007, 34.2994, 40.8626

Trichromacy



Original Color

36.9967, 34.2142, 52.2310

Protanomaly

35.0601, 34.1419, 54.0324

Deuteranomaly

35.6707, 34.2628, 51.7470

Tritanomaly

35.6088, 34.3845, 44.8045

Monochromacy



Original Color

36.9967, 34.2142, 52.2310

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

34.9247, 35.0535, 43.4534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9967, 34.2142, 52.2310 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(172, 150, 188)` looks like.

```
.text, #text, p{  
    color:rgb(172, 150, 188)  
}
```

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(172, 150, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 150, 188) }
```

Border

The CSS property to change the border of an element to XYZ 36.9967, 34.2142, 52.2310 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(172, 150, 188) }
```


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

```
.border{ border-color:rgb(172, 150, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 150, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 150, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 150, 188);  
box-shadow:4px 4px 4px 4px rgb(172, 150,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9967, 34.2142, 52.2310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 150, 188) }
```

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

```
.background{ background-color: rgb(172,  
150, 188) }
```

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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