

# Converting Colors

XYZ(34.9649, 34.9852, 46.7715)

Have a look what the booklet for  
XYZ(34.9649, 34.9852, 46.7715)  
contains.

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# Color

**XYZ(34.9931, 35.0097,  
47.0327)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A29DB2
RGB	162, 157, 178
RGB Percent	64%, 62%, 70%
CMY	0.3647, 0.3843, 0.3020
CMYK	0.09, 0.12, 0.00, 0.30
HSL	254°, 12%, 66%
HSV	254°, 12%, 70%
XYZ	34.9931, 35.0097, 47.0327
YIQ	160.8890, -3.7610, 7.5910

# Conversions

## Conversions Part 2

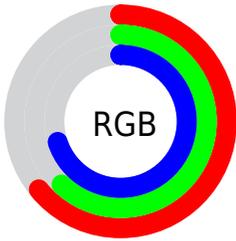
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	162, 157, 178
Decimal	10657202
CIE Lab	65.76, 5.96, -10.23
CIE LCh	66, 11.837, 300.239
Yxy	35.0097, 0.2990, 0.2991
Android (android.graphics.Color)	4288847282 (0xFFA29DB2)
YUV	160.8890, 8.4357, 0.9743
Hunter-Lab	59.1690, 2.0208, -5.7106

# Details

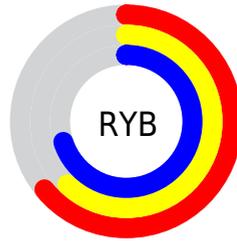
The XYZ color **34.9931, 35.0097, 47.0327** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.2412, 43.1603, 38.1626**, and the grayscale version is **33.7889, 35.5486, 38.7124**.

A 20% lighter version of the original color is **67.0100, 67.7792, 87.3928**, and **15.2861, 15.1037, 21.5117** is the 20% darker color. If you saturate the color by 10%, you get **29.5902, 28.0755, 45.9796**, and if you desaturate by 10%, it is **41.1341, 42.9776, 48.2475**.

# Distribution



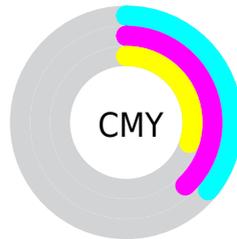
- Red (64%)
- Green (62%)
- Blue (70%)



- Red (64%)
- Yellow (62%)
- Blue (70%)



- Cyan (9%)
- Magenta (12%)
- Yellow (0%)
- Black (30%)



- Cyan (36%)
- Magenta (38%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9931, 35.0097, 47.0327 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 34.9931, 35.0097, 47.0327 by changing the saturation by 10% instead.

■ 34.9931, 35.0097,  
47.0327

■ 34.9931, 35.0097,  
47.0327

316.0464,  
324.6111, 391.3426

■ 23.8240, 23.6703,  
32.7070

■ 66.8092, 67.5008,  
87.1129

■ 15.3272, 15.0893,  
21.6328

■ 88.1869, 89.4213,  
113.7045

■ 9.1371, 8.8821,  
13.3916

113.6982,  
115.6377, 145.2218

■ 4.8886, 4.6643,  
7.5649

143.7085,  
146.5343, 182.0833

■ 2.2161, 2.0517,  
3.7340

178.5831,  
182.4956, 224.7076

■ 0.7512, 0.6372,  
1.4806

218.6874,

■ 0.0000, 0.0000,

223.9059, 273.5132

0.2034

264.3867,  
271.1496, 328.9187

■ 0.0000, 0.0000,  
0.0000

■ 34.9931, 35.0097,  
47.0327

■ 34.9931, 35.0097,  
47.0327

■ 29.5902, 28.0755,  
45.9796

■ 41.1341, 42.9776,  
48.2475

■ 24.8939, 22.1279,  
45.0791

■ 48.0368, 52.0148,  
49.6281

■ 20.8751, 17.1228,  
44.3248

■ 55.7275, 62.1609,  
51.1811

■ 17.5016, 13.0109,  
43.7089

■ 64.2304, 73.4517,  
52.9123

■ 14.7381, 9.7384,  
43.2229

■ 73.5686, 85.9219,  
54.8271

■ 12.5460, 7.2455,  
42.8573

■ 80.8908, 93.8575,  
55.9729

■ 10.8819, 5.4645,  
42.6012

■ 85.0360, 95.9944,  
56.1669

■ 9.6954, 4.3152,  
42.4419

■ 9.0057, 3.7143,  
42.3623

# Harmonies

## Analogous

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



33.2897, 35.0097, 48.5519



34.9931, 35.0097, 47.0327



36.2723, 35.0097, 43.0880

# Triad

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



34.9931, 35.0097, 47.0327



34.9680, 35.0097, 30.3759



30.0339, 35.0097, 38.1597

# Complementary

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



34.9931, 35.0097, 47.0327



39.2412, 43.1603, 38.1626

# 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.



30.4488, 35.0097, 33.5486



34.9931, 35.0097, 47.0327



33.2617, 35.0097, 29.3002

# Square

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



34.9931, 35.0097, 47.0327



36.2575, 35.0097, 33.4849



31.6154, 35.0097, 30.4103



30.4620, 35.0097, 43.1633

# Rectangle

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



34.9931, 35.0097, 47.0327



36.6909, 35.0097, 39.7710



31.6154, 35.0097, 30.4103



30.0792, 35.0097, 36.5146

# Sweetspot

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



34.9941, 35.0112, 47.0335



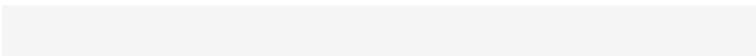
71.9425, 74.4844, 86.9663



36.9045, 40.3091, 47.9554



15.7489, 16.2550, 19.2297



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



34.9941, 35.0112, 47.0335



60.9403, 60.2433, 84.7974



37.1952, 36.1459, 47.1365



8.2251, 8.3245, 10.6796



6.4918, 2.6824, 30.3126



0.2569, 0.1115, 0.9562



# Inverse Universe

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



37.9612, 36.5977, 44.6004



67.3459, 63.6697, 79.4875



37.0299, 42.0204, 38.0591



8.7618, 8.6114, 10.2442



16.3235, 8.0470, 17.3955

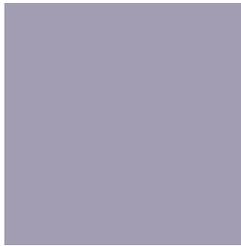


0.5346, 0.2616, 0.6579



# Previews

## White Background



This preview shows how the XYZ color 34.9931, 35.0097, 47.0327 looks on a white background.

## Color Contrast Check

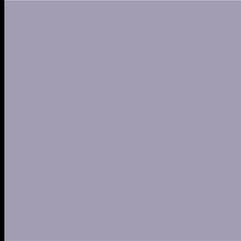
Large Text (above 18pt) WCAG AA × Fail

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 34.9931, 35.0097, 47.0327 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

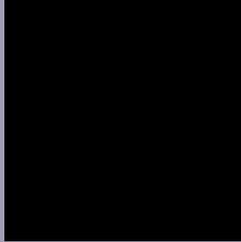
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

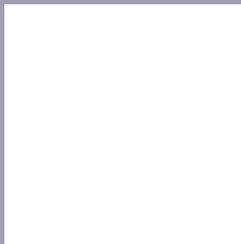
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 34.9931, 35.0097, 47.0327**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.9931, 35.0097, 47.0327.



This preview shows how white text looks on a background with the XYZ color 34.9931, 35.0097,



# 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

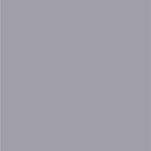
34.9931, 35.0097, 47.0327

### Protanopia

34.4394, 35.2190, 47.6306

### Deuteranopia

35.6936, 34.8725, 46.9693



## Tritanopia

34.2755, 34.9711, 43.4717

# Trichromacy



## Original Color

34.9931, 35.0097, 47.0327

## Protanomaly

34.6616, 35.0793, 47.5919

## Deuteranomaly

35.4414, 34.9906, 47.0054

## Tritanomaly

34.5648, 35.0868, 44.9951

# Monochromacy



## Original Color

34.9931, 35.0097, 47.0327

## Achromatopsia

33.8758, 35.6400, 38.8120

## Achromatomaly

34.2438, 35.5087, 41.6082

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.9931, 35.0097, 47.0327 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(162, 157, 178)` looks like.

```
.text, #text, p{  
    color:rgb(162, 157, 178)  
}
```

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(162, 157, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 157, 178) }
```

## Border

The CSS property to change the border of an element to XYZ 34.9931, 35.0097, 47.0327 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(162, 157, 178) }
```

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

```
.border{ border-color:rgb(162, 157, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 157, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(162, 157, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(162, 157, 178); box-shadow:4px 4px 4px 4px rgb(162, 157, 178) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.9931, 35.0097, 47.0327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 157, 178) }
```

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

```
.background{ background-color: rgb(162,  
157, 178) }
```

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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