

Converting Colors

XYZ(34.8009, 36.0036, 42.2406)

Have a look what the booklet for
XYZ(34.8009, 36.0036, 42.2406)
contains.

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Color

**XYZ(34.7130, 35.9983,
42.1646)**

Conversions

Conversions Part 1

Format	Color
Hex	A2A1A8
RGB	162, 161, 168
RGB Percent	64%, 63%, 66%
CMY	0.3647, 0.3686, 0.3412
CMYK	0.04, 0.04, 0.00, 0.34
HSL	249°, 4%, 65%
HSV	249°, 4%, 66%
XYZ	34.7130, 35.9983, 42.1646
YIQ	162.0970, -1.6510, 2.3890

Conversions

Conversions Part 2

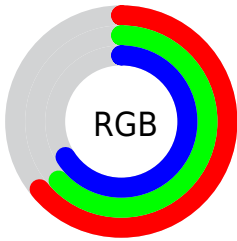
Format	Color
RYB	162, 161, 168
Decimal	10658216
CIELab	66.52, 1.72, -3.50
CIElCh	67, 3.902, 296.091
Yxy	35.9983, 0.3075, 0.3189
Android (android.graphics.Color)	4288848296 (0xFFA2A1A8)
YUV	162.0970, 2.9102, -0.0851
Hunter-Lab	59.9986, -1.7239, 0.3324

Details

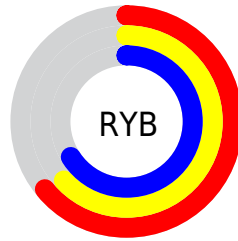
The XYZ color **34.7130, 35.9983, 42.1646** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.3735, 38.7950, 39.2912**, and the grayscale version is **34.3763, 36.1665, 39.3854**.

A 20% lighter version of the original color is **66.4904, 69.1912, 79.6628**, and **15.1587, 15.7278, 18.7598** is the 20% darker color. If you saturate the color by 10%, you get **29.2116, 29.0937, 41.1224**, and if you desaturate by 10%, it is **40.9463, 43.8678, 43.3556**.

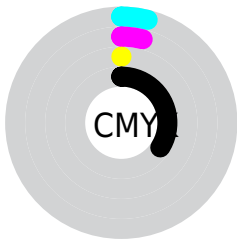
Distribution



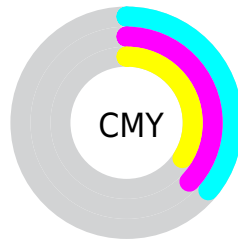
- Red (64%)
- Green (63%)
- Blue (66%)



- Red (64%)
- Yellow (63%)
- Blue (66%)



- Cyan (4%)
- Magenta (4%)
- Yellow (0%)
- Black (34%)



- Cyan (36%)
- Magenta (37%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7130, 35.9983, 42.1646 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 34.7130, 35.9983, 42.1646 by changing the saturation by 10% instead.

■ 34.7130, 35.9983,
42.1646

■ 34.7130, 35.9983,
42.1646

314.8300,
328.9531, 370.9846

■ 23.6074, 24.4329,
28.9037

■ 66.3779, 69.0294,
79.7215

■ 15.1658, 15.6550,
18.7630

■ 87.6678, 91.2640,
104.8545

■ 9.0229, 9.2804,
11.3241

113.0832,
117.8236, 134.7819

■ 4.8133, 4.9245,
6.1684

142.9895,
149.0928, 169.9223

■ 2.1718, 2.2030,
2.8773

177.7519,
185.4560, 210.6943

■ 0.7278, 0.7217,
1.0323

217.7359,

■ 0.0000, 0.0000,

227.2975, 257.5163

0.0000

263.3068,
275.0017, 310.8068

■ 34.7130, 35.9983,
42.1646

■ 34.7130, 35.9983,
42.1646

■ 29.2116, 29.0937,
41.1224

■ 40.9463, 43.8678,
43.3556

■ 24.4121, 23.1123,
40.2208

■ 47.9338, 52.7327,
44.6984

■ 20.2869, 18.0162,
39.4546

■ 55.7009, 62.6276,
46.1989

■ 16.8056, 13.7632,
38.8172

■ 64.2706, 73.5844,
47.8621

■ 13.9353, 10.3074,
38.3014

■ 73.6651, 85.6333,
49.6927

■ 11.6401, 7.5988,
37.8996

■ 81.6964, 94.3846,
50.9585

■ 9.8805, 5.5814,
37.6029

■ 84.0680, 95.6072,
51.0695

■ 8.6115, 4.1913,
37.4015

■ 7.7806, 3.3525,
37.2834

Harmonies

Analogous

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



34.1386, 35.9983, 42.5027



34.7130, 35.9983, 42.1646



35.1585, 35.9983, 41.0230

Triad

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



34.7130, 35.9983, 42.1646



34.8474, 35.9983, 36.5797



33.1040, 35.9983, 38.9766

Complementary

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



34.7130, 35.9983, 42.1646



36.3735, 38.7950, 39.2912

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.



33.2891, 35.9983, 37.4241



34.7130, 35.9983, 42.1646



34.2921, 35.9983, 36.0655

Square

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



34.7130, 35.9983, 42.1646



35.2367, 35.9983, 37.7946



33.7224, 35.9983, 36.3702



33.2138, 35.9983, 40.6317

Rectangle

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



34.7130, 35.9983, 42.1646



35.3202, 35.9983, 39.9764



33.7224, 35.9983, 36.3702



33.1337, 35.9983, 38.4259

Sweetspot

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



34.7140, 35.9998, 42.1654



66.4063, 69.6272, 77.1645



35.5980, 38.0671, 42.5178



14.4876, 15.1933, 16.8212



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



34.7140, 35.9998, 42.1654



62.0124, 64.0921, 76.3277



35.4214, 36.3645, 42.1985



7.7025, 7.9467, 9.5462



5.6481, 2.2951, 28.1208



0.1662, 0.0707, 0.6855

Inverse Universe

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



35.8697, 36.6063, 41.7365



64.5620, 65.4302, 75.3766



35.6574, 38.4258, 39.2577



8.0509, 8.1295, 9.4159



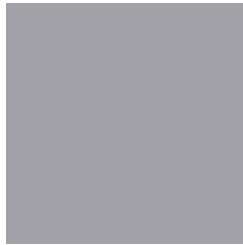
16.0144, 7.8145, 20.6854



0.4018, 0.1950, 0.5673

Previews

White Background



This preview shows how the XYZ color 34.7130, 35.9983, 42.1646 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 34.7130, 35.9983, 42.1646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

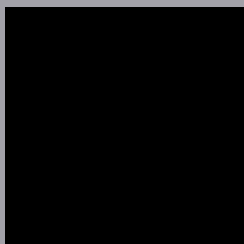
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.7130, 35.9983, 42.1646

Background



This preview shows how black text looks on a background with the XYZ color 34.7130, 35.9983, 42.1646.



This preview shows how white text looks on a background with the XYZ color 34.7130, 35.9983,

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

34.7130, 35.9983, 42.1646

Protanopia

34.9170, 36.1034, 42.1741

Deuteranopia

36.6740, 35.9772, 42.5475



Tritanopia

35.2179, 35.9453, 44.6171

Trichromacy



Original Color

34.7130, 35.9983, 42.1646

Protanomaly

34.9170, 36.1034, 42.1741

Deuteranomaly

35.9659, 35.8643, 42.5630

Tritanomaly

35.0257, 35.8684, 43.6053

Monochromacy



Original Color

34.7130, 35.9983, 42.1646

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.5215, 36.2024, 40.2902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7130, 35.9983, 42.1646 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, 161, 168)` looks like.

```
.text, #text, p{  
    color:rgb(162, 161, 168)  
}
```

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, 161, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 161, 168) }
```

Border

The CSS property to change the border of an element to XYZ 34.7130, 35.9983, 42.1646 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, 161, 168) }
```


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

```
.border{ border-color:rgb(162, 161, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 161, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 161, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 161, 168);  
box-shadow:4px 4px 4px 4px rgb(162, 161,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7130, 35.9983, 42.1646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 161, 168) }
```

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

```
.background{ background-color: rgb(162,  
161, 168) }
```

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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