

Converting Colors

XYZ(35.0314, 36.8097, 40.6484)

Have a look what the booklet for
XYZ(35.0314, 36.8097, 40.6484)
contains.

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Color

**XYZ(34.9930, 36.6975,
40.8363)**

Conversions

Conversions Part 1

Format	Color
Hex	A3A3A5
RGB	163, 163, 165
RGB Percent	64%, 64%, 65%
CMY	0.3608, 0.3608, 0.3529
CMYK	0.01, 0.01, 0.00, 0.35
HSL	240°, 1%, 64%
HSV	240°, 1%, 65%
XYZ	34.9930, 36.6975, 40.8363
YIQ	163.2280, -0.6420, 0.6220

Conversions

Conversions Part 2

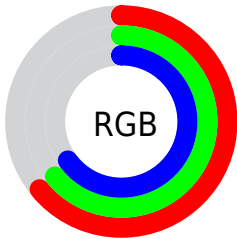
Format	Color
R_{YB}	163, 163, 165
Decimal	10724261
CIE _{Lab}	67.05, 0.39, -1.04
CIE _{LCh}	67, 1.112, 290.349
Yxy	36.6975, 0.3110, 0.3261
Android (android.graphics.Color)	4288914341 (0xFFA3A3A5)
YUV	163.2280, 0.8736, -0.2000
Hunter-Lab	60.5785, -2.9022, 2.4372

Details

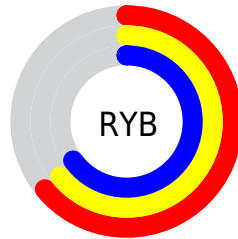
The XYZ color **34.9930, 36.6975, 40.8363** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.5832, 37.5536, 40.0241**, and the grayscale version is **34.9176, 36.7360, 40.0055**.

A 20% lighter version of the original color is **66.9031, 70.2155, 77.7369**, and **15.2206, 15.9406, 17.8974** is the 20% darker color. If you saturate the color by 10%, you get **29.0949, 29.5934, 39.7765**, and if you desaturate by 10%, it is **41.7154, 44.7947, 42.0455**.

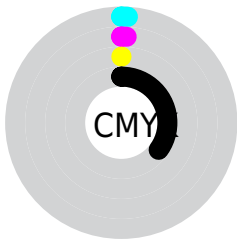
Distribution



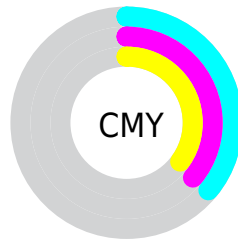
- Red (64%)
- Green (64%)
- Blue (65%)



- Red (64%)
- Yellow (64%)
- Blue (65%)



- Cyan (1%)
- Magenta (1%)
- Yellow (0%)
- Black (35%)



- Cyan (36%)
- Magenta (36%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9930, 36.6975, 40.8363 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 34.9930, 36.6975, 40.8363 by changing the saturation by 10% instead.

■ 34.9930, 36.6975,
40.8363

■ 34.9930, 36.6975,
40.8363

316.0460,
331.9990, 365.2923

■ 23.8240, 24.9734,
27.8725

■ 66.8090, 70.1073,
77.6863

■ 15.3271, 16.0572,
17.9913

■ 88.1867, 92.5617,
102.4095

■ 9.1371, 9.5646,
10.7744

113.6980,
119.3617, 131.8896

■ 4.8885, 5.1113,
5.8031

143.7083,
150.8917, 166.5452

■ 2.2161, 2.3127,
2.6589

178.5828,
187.5360, 206.7947

■ 0.7512, 0.7804,
0.9226

218.6871,

■ 0.0000, 0.0000,

229.6791, 253.0567

0.0000

264.3863,
277.7053, 305.7497

■ 34.9930, 36.6975,
40.8363

■ 34.9930, 36.6975,
40.8363

■ 29.0949, 29.5934,
39.7765

■ 41.7154, 44.7947,
42.0455

■ 23.9862, 23.4396,
38.8579

■ 49.2887, 53.9160,
43.4069

■ 19.6346, 18.1973,
38.0754

■ 57.7424, 64.0973,
44.9265

■ 16.0040, 13.8231,
37.4225

■ 67.1034, 75.3711,
46.6092

■ 13.0555, 10.2703,
36.8921

■ 77.3977, 87.7685,
48.4596

■ 10.7465, 7.4875,
36.4767

■ 83.7916, 95.4967,
49.6143

■ 9.0296, 5.4179,
36.1677

■ 7.8510, 3.9966,
35.9555

■ 7.1470, 3.1469,
35.8286

Harmonies

Analogous

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



34.8254, 36.6975, 40.8819



34.9930, 36.6975, 40.8363



35.1307, 36.6975, 40.5542

Triad

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



34.9930, 36.6975, 40.8363



35.0876, 36.6975, 39.2450



34.5605, 36.6975, 39.8015

Complementary

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



34.9930, 36.6975, 40.8363



35.5832, 37.5536, 40.0241

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.



34.6303, 36.6975, 39.3664



34.9930, 36.6975, 40.8363



34.9344, 36.6975, 39.0468

Square

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



34.9930, 36.6975, 40.8363



35.1854, 36.6975, 39.6346



34.7670, 36.6975, 39.0911



34.5761, 36.6975, 40.2819

Rectangle

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



34.9930, 36.6975, 40.8363



35.1868, 36.6975, 40.2711



34.7670, 36.6975, 39.0911



34.5747, 36.6975, 39.6452

Sweetspot

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



34.9940, 36.6991, 40.8371



64.0503, 67.3860, 73.3833



35.3485, 37.4128, 40.9403



14.0027, 14.7319, 16.0430



78.6606, 82.7571, 90.1225

Same Dimension

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



34.9940, 36.6991, 40.8371



62.8899, 65.9882, 73.1747



35.1923, 36.8006, 40.8463



7.8091, 8.1959, 9.0734



5.1398, 2.0590, 27.0563



0.1082, 0.0437, 0.5686

Inverse Universe

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



35.2259, 36.8388, 39.9061



63.2393, 66.1988, 71.7720



35.3833, 37.4513, 40.0149



7.8485, 8.2196, 8.9153



11.7398, 6.0520, 0.5545



0.2468, 0.1272, 0.0122

Previews

White Background



This preview shows how the XYZ color 34.9930, 36.6975, 40.8363 looks on a white background.

Color Contrast Check

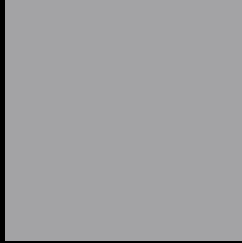
Large Text (above 18pt) WCAG AA × Fail

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 34.9930, 36.6975, 40.8363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

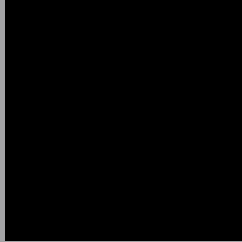
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

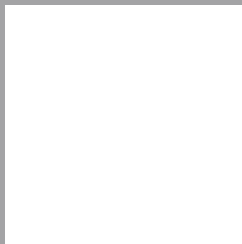
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.9930, 36.6975, 40.8363

Background



This preview shows how black text looks on a background with the XYZ color 34.9930, 36.6975, 40.8363.

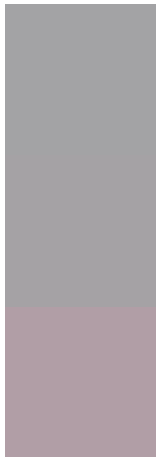


This preview shows how white text looks on a background with the XYZ color 34.9930, 36.6975,

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

34.9930, 36.6975, 40.8363

Protanopia

35.2289, 36.5566, 40.7967

Deuteranopia

37.2413, 36.5540, 41.1692



Tritanopia

35.8702, 36.7892, 45.2549

Trichromacy



Original Color

34.9930, 36.6975, 40.8363

Protanomaly

35.0217, 36.4498, 40.7870

Deuteranomaly

36.4670, 36.6654, 41.2315

Tritanomaly

35.5809, 36.6734, 43.7314

Monochromacy



Original Color

34.9930, 36.6975, 40.8363

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.9023, 36.6613, 40.3587

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9930, 36.6975, 40.8363 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, 163, 165)` looks like.

```
.text, #text, p{  
    color:rgb(163, 163, 165)  
}
```

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, 163, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 163, 165) }
```

Border

The CSS property to change the border of an element to XYZ 34.9930, 36.6975, 40.8363 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, 163, 165) }
```

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

```
.border{ border-color:rgb(163, 163, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 163, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 163, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 163, 165);  
box-shadow:4px 4px 4px 4px rgb(163, 163,  
165) }
```


Background

The CSS property to change the background color of an element to XYZ 34.9930, 36.6975, 40.8363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 163, 165) }
```

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

```
.background{ background-color: rgb(163,  
163, 165) }
```

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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