

Converting Colors

XYZ(35.5780, 37.4083, 40.5844)

Have a look what the booklet for
XYZ(35.5780, 37.4083, 40.5844)
contains.

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Color

**XYZ(35.6730, 37.5899,
40.4974)**

Conversions

Conversions Part 1

Format	Color
Hex	A5A5A4
RGB	165, 165, 164
RGB Percent	65%, 65%, 64%
CMY	0.3529, 0.3529, 0.3569
CMYK	0.00, 0.00, 0.01, 0.35
HSL	60°, 1%, 65%
HSV	60°, 1%, 65%
XYZ	35.6730, 37.5899, 40.4974
YIQ	164.8860, 0.3210, -0.3110

Conversions

Conversions Part 2

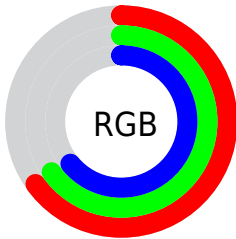
Format	Color
RYB	164, 165, 164
Decimal	10855844
CIELab	67.72, -0.19, 0.51
CIELCh	68, 0.542, 110.018
Yxy	37.5899, 0.3136, 0.3304
Android (android.graphics.Color)	4289045924 (0xFFA5A5A4)
YUV	164.8860, -0.4368, 0.1000
Hunter-Lab	61.3106, -3.4350, 3.7547

Details

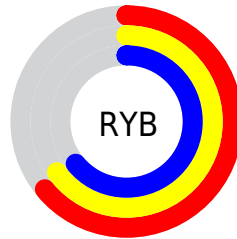
The XYZ color **35.6730, 37.5899, 40.4974** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.3783, 37.1611, 40.9074**, and the grayscale version is **35.7123, 37.5722, 40.9161**.

A 20% lighter version of the original color is **67.8946, 71.5165, 77.2435**, and **15.6398, 16.4908, 17.6880** is the 20% darker color. If you saturate the color by 10%, you get **34.2689, 37.0283, 33.1513**, and if you desaturate by 10%, it is **37.2726, 38.2321, 48.8635**.

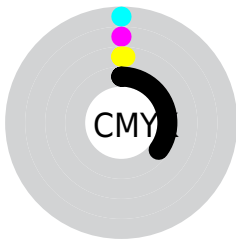
Distribution



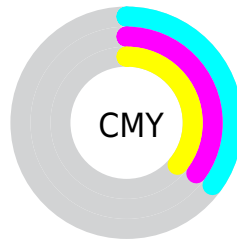
- Red (65%)
- Green (65%)
- Blue (64%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6730, 37.5899, 40.4974 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 35.6730, 37.5899, 40.4974 by changing the saturation by 10% instead.

■ 35.6730, 37.5899,
40.4974

■ 35.6730, 37.5899,
40.4974

318.9852,
335.8575, 363.8298

■ 24.3507, 25.6646,
27.6098

■ 67.8542, 71.4791,
77.1657

■ 15.7201, 16.5729,
17.7953

■ 89.4439, 94.2118,
101.7835

■ 9.4159, 9.9304,
10.6352

115.1866,
121.3157, 131.1485

■ 5.0727, 5.3528,
5.7110

145.4479,
153.1752, 165.6792

■ 2.3252, 2.4557,
2.6042

180.5931,
190.1748, 205.7941

■ 0.8075, 0.8543,
0.8946

220.9874,

■ 0.0000, 0.0000,

232.6987, 251.9119

0.0000

266.9964,
281.1315, 304.4509

■ 35.6730, 37.5899,
40.4974

■ 35.6730, 37.5899,
40.4974

■ 34.2689, 37.0283,
33.1513

■ 37.2726, 38.2321,
48.8635

■ 33.0498, 36.5395,
26.7838

■ 39.0715, 38.9528,
58.2839

■ 32.0088, 36.1219,
21.3544

■ 41.0774, 39.7563,
68.7944

■ 31.1375, 35.7723,
16.8188

■ 43.2967, 40.6452,
80.4283

■ 30.4269, 35.4869,
13.1291

■ 45.7353, 41.6218,
93.2176

■ 29.8670, 35.2617,
10.2329

■ 47.0835, 42.1623,
100.2643

■ 29.4467, 35.0925,
8.0721

■ 47.0936, 42.1675,
100.2648

■ 29.1535, 34.9740,
6.5805

■ 47.1036, 42.1726,
100.2652

■ 28.9726, 34.9005,
5.6802

■ 47.1137, 42.1778,
100.2657

Harmonies

Analogous

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



35.7560, 37.5899, 40.4767



35.6730, 37.5899, 40.4974



35.6049, 37.5899, 40.6335

Triad

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



35.6730, 37.5899, 40.4974



35.6247, 37.5899, 41.2833



35.8868, 37.5899, 41.0090

Complementary

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



35.6730, 37.5899, 40.4974



35.3783, 37.1611, 40.9074

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.



35.8516, 37.5899, 41.2259



35.6730, 37.5899, 40.4974



35.7002, 37.5899, 41.3847

Square

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



35.6730, 37.5899, 40.4974



35.5770, 37.5899, 41.0870



35.7832, 37.5899, 41.3637



35.8795, 37.5899, 40.7714

Rectangle

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



35.6730, 37.5899, 40.4974



35.5770, 37.5899, 40.7717



35.7832, 37.5899, 41.3637



35.8796, 37.5899, 41.0867

Sweetspot

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



35.6741, 37.5915, 40.4982



64.0503, 67.3860, 73.3833



35.4945, 37.2315, 40.4382



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.



35.6741, 37.5915, 40.4982



63.7763, 67.2761, 71.9499



35.5706, 37.5382, 40.4934



7.9091, 8.3411, 8.9353



21.8427, 26.3708, 3.9388



0.4596, 0.5544, 0.0828

Inverse Universe

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



35.3783, 37.1611, 40.9074



62.8911, 65.9878, 73.1745



35.4814, 37.2142, 40.9122



7.8093, 8.1958, 9.0734



5.1432, 2.0579, 27.0559



0.1086, 0.0435, 0.5685

Previews

White Background



This preview shows how the XYZ color 35.6730, 37.5899, 40.4974 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 35.6730, 37.5899, 40.4974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

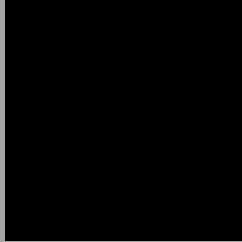
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.6730, 37.5899, 40.4974

Background



This preview shows how black text looks on a background with the XYZ color 35.6730, 37.5899, 40.4974.

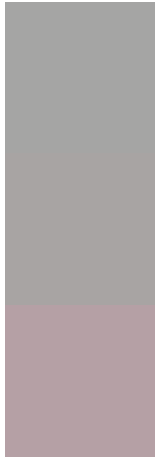


This preview shows how white text looks on a background with the XYZ color 35.6730, 37.5899,

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

35.6730, 37.5899, 40.4974

Protanopia

36.0348, 37.5201, 39.9932

Deuteranopia

38.4184, 37.6820, 40.8458



Tritanopia

36.8700, 37.5445, 46.3778

Trichromacy



Original Color

35.6730, 37.5899, 40.4974

Protanomaly

35.8227, 37.4108, 39.9833

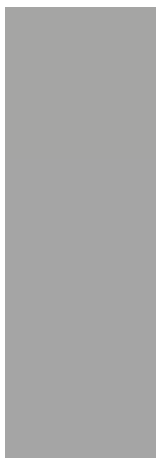
Deuteranomaly

37.3911, 37.6712, 40.8979

Tritanomaly

36.4477, 37.6365, 44.3733

Monochromacy



Original Color

35.6730, 37.5899, 40.4974

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.7637, 37.6262, 40.9749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6730, 37.5899, 40.4974 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(165, 165, 164) looks like.

```
.text, #text, p{  
    color:rgb(165, 165, 164)  
}
```

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(165, 165, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 165, 164) }
```

Border

The CSS property to change the border of an element to XYZ 35.6730, 37.5899, 40.4974 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(165, 165, 164) }
```

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

```
.border{ border-color:rgb(165, 165, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 165, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 165, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 165, 164);  
box-shadow:4px 4px 4px 4px rgb(165, 165,  
164) }
```


Background

The CSS property to change the background color of an element to XYZ 35.6730, 37.5899, 40.4974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 165, 164) }
```

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

```
.background{ background-color: rgb(165,  
165, 164) }
```

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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