

Converting Colors

XYZ(33.8554, 35.2078, 38.0350)

Have a look what the booklet for
XYZ(33.8554, 35.2078, 38.0350)
contains.

XYZ(33.7604, 35.0860, 37.7938)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.7604, 35.0860,
37.7938)**

Conversions

Conversions Part 1

Format	Color
Hex	A39F9F
RGB	163, 159, 159
RGB Percent	64%, 62%, 62%
CMY	0.3608, 0.3765, 0.3765
CMYK	0.00, 0.02, 0.02, 0.36
HSL	0°, 2%, 63%
HSV	0°, 2%, 64%
XYZ	33.7604, 35.0860, 37.7938
YIQ	160.1960, 2.3840, 0.8480

Conversions

Conversions Part 2

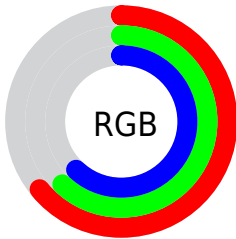
Format	Color
R_{YB}	163, 159, 159
Decimal	10723231
CIE Lab	65.82, 1.45, 0.51
CIE LCh	66, 1.533, 19.241
Yxy	35.0860, 0.3166, 0.3290
Android (android.graphics.Color)	4288913311 (0xFFA39F9F)
YUV	160.1960, -0.5896, 2.4591
Hunter-Lab	59.2334, -1.9215, 3.6335

Details

The XYZ color **33.7604, 35.0860, 37.7938** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.0061, 36.2092, 39.8476**, and the grayscale version is **33.5067, 35.2516, 38.3890**.

A 20% lighter version of the original color is **65.0976, 67.8536, 73.2844**, and **14.6249, 15.1873, 16.3480** is the 20% darker color. If you saturate the color by 10%, you get **29.8195, 29.3203, 29.9557**, and if you desaturate by 10%, it is **38.2589, 41.6676, 46.7389**.

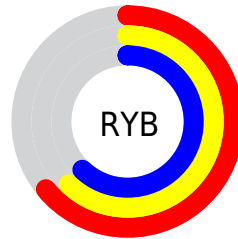
Distribution



Red (64%)

Green (62%)

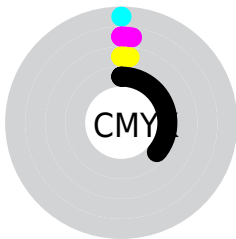
Blue (62%)



Red (64%)

Yellow (62%)

Blue (62%)

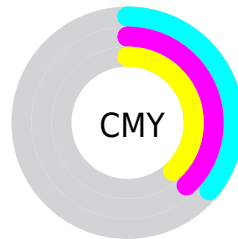


Cyan (0%)

Magenta (2%)

Yellow (2%)

Black (36%)



Cyan (36%)

Magenta (38%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7604, 35.0860, 37.7938 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 33.7604, 35.0860, 37.7938 by changing the saturation by 10% instead.

■ 33.7604, 35.0860,
37.7938

■ 33.7604, 35.0860,
37.7938

310.6671,
324.9478, 352.0062

■ 22.8716, 23.7291,
25.5221

■ 64.9077, 67.6190,
72.9919

■ 14.6189, 15.1328,
16.2439

■ 85.8969, 89.5639,
96.7554

■ 8.6369, 8.9126,
9.5407

110.9835,
115.8069, 125.1865

■ 4.5603, 4.6842,
4.9939

140.5331,
146.7324, 158.7039

■ 2.0238, 2.0632,
2.1850

174.9109,
182.7249, 197.7260

■ 0.6473, 0.6438,
0.6657

214.4822,

■ 0.0000, 0.0000,

224.1687, 242.6714

0.0000

259.6125,
271.4482, 293.9586

■ 33.7604, 35.0860,
37.7938

■ 33.7604, 35.0860,
37.7938

■ 29.8195, 29.3203,
29.9557

■ 38.2589, 41.6676,
46.7389

■ 26.4118, 24.3344,
23.1795

■ 43.3326, 49.0904,
56.8294

■ 23.5153, 20.0963,
17.4202

■ 49.0017, 57.3842,
68.1045

■ 21.1052, 16.5699,
12.6288

■ 55.2846, 66.5760,
80.6010

■ 19.1551, 13.7161,
8.7521

■ 62.1992, 76.6915,
94.3540

■ 17.6355, 11.4923,
5.7320

■ 68.9145, 86.5266,
107.6769

■ 16.5140, 9.8508,
3.5036

■ 15.7532, 8.7372,
1.9928

■ 15.3091, 8.0868,
1.1116

Harmonies

Analogous

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



33.7772, 35.0860, 38.4356



33.7604, 35.0860, 37.7938



33.6329, 35.0860, 37.2672

Triad

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



33.7604, 35.0860, 37.7938



33.0199, 35.0860, 37.3954



33.2671, 35.0860, 39.4392

Complementary

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



33.7604, 35.0860, 37.7938



34.0061, 36.2092, 39.8476

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.



33.0651, 35.0860, 39.1537



33.7604, 35.0860, 37.7938



32.9228, 35.0860, 37.9707

Square

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



33.7604, 35.0860, 37.7938



33.2051, 35.0860, 37.0390



32.9393, 35.0860, 38.6145



33.4917, 35.0860, 39.3905

Rectangle

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



33.7604, 35.0860, 37.7938



33.5025, 35.0860, 37.0501



32.9393, 35.0860, 38.6145



33.1943, 35.0860, 39.3790

Sweetspot

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



33.7614, 35.0875, 37.7946



61.5573, 64.4389, 69.8620



34.1137, 35.2277, 39.6524



13.8356, 14.4874, 15.7107



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



33.7614, 35.0875, 37.7946



60.0107, 62.1761, 66.7863



34.1076, 35.7800, 37.9100



7.5807, 7.8278, 8.3824



11.7399, 6.0538, 0.5497



0.2468, 0.1274, 0.0116

Inverse Universe

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



34.0061, 36.2092, 39.8476



60.5543, 64.6677, 71.3467



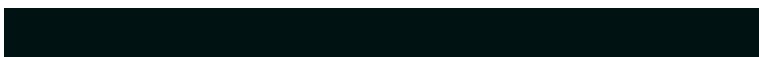
33.6543, 35.5055, 39.7303



7.6643, 8.2111, 9.0840



15.3012, 22.3818, 30.4434



0.3216, 0.4705, 0.6397

Previews

White Background



This preview shows how the XYZ color 33.7604, 35.0860, 37.7938 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 33.7604, 35.0860, 37.7938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

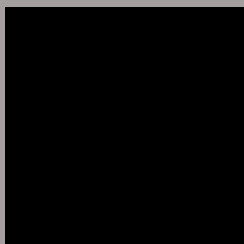
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

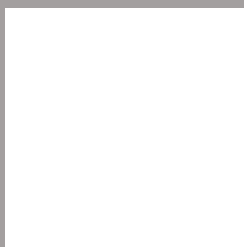
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.7604, 35.0860, 37.7938

Background



This preview shows how black text looks on a background with the XYZ color 33.7604, 35.0860, 37.7938.

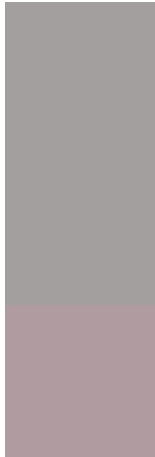


This preview shows how white text looks on a background with the XYZ color 33.7604, 35.0860,

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

33.7604, 35.0860, 37.7938

Protanopia

33.7604, 35.0860, 37.7938

Deuteranopia

35.7457, 35.0947, 38.1477



Tritanopia

34.8297, 35.0156, 42.9532

Trichromacy



Original Color

33.7604, 35.0860, 37.7938

Protanomaly

33.7604, 35.0860, 37.7938

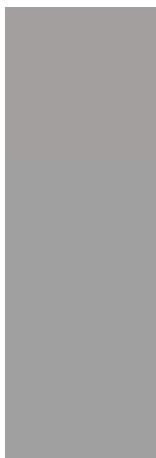
Deuteranomaly

35.0282, 34.9729, 38.1620

Tritanomaly

34.4196, 35.0994, 41.0371

Monochromacy



Original Color

33.7604, 35.0860, 37.7938

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.6139, 35.2567, 38.2913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7604, 35.0860, 37.7938 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, 159, 159)` looks like.

```
.text, #text, p{  
    color:rgb(163, 159, 159)  
}
```

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, 159, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 159, 159) }
```

Border

The CSS property to change the border of an element to XYZ 33.7604, 35.0860, 37.7938 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, 159, 159) }
```


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

```
.border{ border-color:rgb(163, 159, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 159, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 159, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 159, 159);  
box-shadow:4px 4px 4px 4px rgb(163, 159,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7604, 35.0860, 37.7938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 159, 159) }
```

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

```
.background{ background-color: rgb(163,  
159, 159) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor