

Converting Colors

XYZ(33.4608, 34.0654, 37.6390)

Have a look what the booklet for
XYZ(33.4608, 34.0654, 37.6390)
contains.

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Color

**XYZ(33.4563, 34.1727,
37.6335)**

Conversions

Conversions Part 1

Format	Color
Hex	A49C9F
RGB	164, 156, 159
RGB Percent	64%, 61%, 62%
CMY	0.3569, 0.3882, 0.3765
CMYK	0.00, 0.05, 0.03, 0.36
HSL	338°, 4%, 63%
HSV	338°, 5%, 64%
XYZ	33.4563, 34.1727, 37.6335
YIQ	158.7340, 3.8050, 2.6290

Conversions

Conversions Part 2

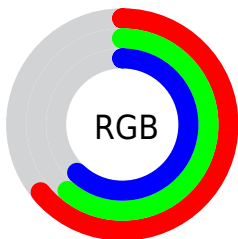
Format	Color
RYB	164, 156, 159
Decimal	10787999
CIELab	65.10, 3.47, -0.53
CIELCh	65, 3.508, 351.299
Yxy	34.1727, 0.3178, 0.3246
Android (android.graphics.Color)	4288978079 (0xFFA49C9F)
YUV	158.7340, 0.1311, 4.6183
Hunter-Lab	58.4574, -0.1415, 2.7507

Details

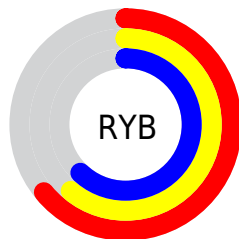
The XYZ color **33.4563, 34.1727, 37.6335** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.4201, 36.1929, 38.9445**, and the grayscale version is **32.8322, 34.5421, 37.6163**.

A 20% lighter version of the original color is **64.3976, 66.0083, 72.9651**, and **14.4404, 14.6306, 16.2503** is the 20% darker color. If you saturate the color by 10%, you get **30.0350, 28.6951, 32.2837**, and if you desaturate by 10%, it is **37.3250, 40.4259, 43.4975**.

Distribution



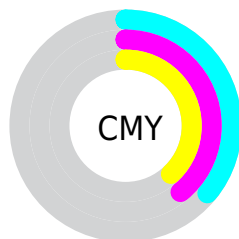
- Red (64%)
- Green (61%)
- Blue (62%)



- Red (64%)
- Yellow (61%)
- Blue (62%)



- Cyan (0%)
- Magenta (5%)
- Yellow (3%)
- Black (36%)



- Cyan (36%)
- Magenta (39%)
- Yellow (38%)
- Black (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4563, 34.1727, 37.6335 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 33.4563, 34.1727, 37.6335 by changing the saturation by 10% instead.

■ 33.4563, 34.1727,
37.6335

■ 33.4563, 34.1727,
37.6335

309.3296,
320.9014, 351.2961

■ 22.6371, 23.0263,
25.3987

■ 64.4372, 66.2021,
72.7432

■ 14.4450, 14.6129,
16.1527

■ 85.3296, 87.8540,
96.4553

■ 8.5146, 8.5482,
9.4767

110.3106,
113.7764, 124.8301

■ 4.4805, 4.4477,
4.9524

139.7453,
144.3538, 158.2864

■ 1.9774, 1.9270,
2.1611

173.9992,
179.9707, 197.2426

■ 0.6212, 0.5645,
0.6518

213.4377,

■ 0.0000, 0.0000,

221.0113, 242.1172

0.0000

258.4260,
267.8601, 293.3289

■ 33.4563, 34.1727,
37.6335

■ 33.4563, 34.1727,
37.6335

■ 30.0350, 28.6951,
32.2837

■ 37.3250, 40.4259,
43.4975

■ 27.0415, 23.9585,
27.4316

■ 41.6538, 47.4790,
49.8872

■ 24.4593, 19.9320,
23.0628

■ 46.4586, 55.3605,
56.8164

■ 22.2695, 16.5809,
19.1616

■ 51.7536, 64.0962,
64.2980

■ 20.4515, 13.8677,
15.7113

■ 57.5525, 73.7110,
72.3441

■ 18.9832, 11.7509,
12.6939

■ 63.8683, 84.2285,
80.9666

■ 17.8394, 10.1844,
10.0903

■ 65.4626, 85.1696,
88.4266

■ 16.9919, 9.1149,
7.8793

■ 66.9521, 85.7654,
96.2703

■ 16.4058, 8.4769,
6.0371

■ 68.5278, 86.3957,
104.5681

Harmonies

Analogous

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



33.2492, 34.1727, 38.9868



33.4563, 34.1727, 37.6335



33.3997, 34.1727, 36.2003

Triad

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



33.4563, 34.1727, 37.6335



32.1262, 34.1727, 34.6597



31.8726, 34.1727, 39.4368

Complementary

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



33.4563, 34.1727, 37.6335



33.4201, 36.1929, 38.9445

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.



31.5776, 34.1727, 38.2348



33.4563, 34.1727, 37.6335



31.7230, 34.1727, 35.4846

Square

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



33.4563, 34.1727, 37.6335



32.6283, 34.1727, 34.5082



31.5231, 34.1727, 36.7862



32.3324, 34.1727, 40.0456

Rectangle

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



33.4563, 34.1727, 37.6335



33.2203, 34.1727, 35.3905



31.5231, 34.1727, 36.7862



31.7510, 34.1727, 39.0872

Sweetspot

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



33.4573, 34.1742, 37.6342



63.3405, 66.2393, 72.3052



33.2750, 34.0291, 39.9368



13.8564, 14.4956, 15.8209



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.



33.4573, 34.1742, 37.6342



59.9184, 60.7262, 67.0606



33.3574, 34.3857, 36.3333



7.3979, 7.4799, 8.2670



12.4158, 6.3224, 4.1143



0.2833, 0.1418, 0.2045

Inverse Universe

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



33.4573, 34.1742, 37.6342



59.9184, 60.7262, 67.0606



33.5213, 35.9672, 40.2979



7.3979, 7.4799, 8.2670



12.4158, 6.3224, 4.1143



0.2833, 0.1418, 0.2045

Previews

White Background



This preview shows how the XYZ color 33.4563, 34.1727, 37.6335 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 33.4563, 34.1727, 37.6335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

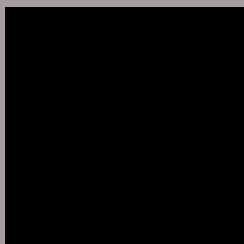
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

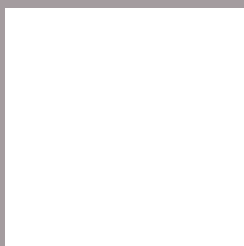
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.4563, 34.1727, 37.6335

Background



This preview shows how black text looks on a background with the XYZ color 33.4563, 34.1727, 37.6335.



This preview shows how white text looks on a background with the XYZ color 33.4563, 34.1727,

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

33.4563, 34.1727, 37.6335

Protanopia

32.8993, 34.1256, 38.1106

Deuteranopia

34.7497, 34.0912, 38.0065



Tritanopia

34.2134, 34.2320, 41.3634

Trichromacy



Original Color

33.4563, 34.1727, 37.6335

Protanomaly

33.1001, 34.2291, 38.1200

Deuteranomaly

34.2630, 34.0843, 38.0308

Tritanomaly

33.9392, 34.1224, 39.9194

Monochromacy



Original Color

33.4563, 34.1727, 37.6335

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

33.1828, 34.5340, 37.7177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4563, 34.1727, 37.6335 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(164, 156, 159)` looks like.

```
.text, #text, p{  
    color:rgb(164, 156, 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(164, 156, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 156, 159) }
```

Border

The CSS property to change the border of an element to XYZ 33.4563, 34.1727, 37.6335 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(164, 156, 159) }
```


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

```
.border{ border-color:rgb(164, 156, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 156, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 156, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 156, 159);  
box-shadow:4px 4px 4px 4px rgb(164, 156,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4563, 34.1727, 37.6335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 156, 159) }
```

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

```
.background{ background-color: rgb(164,  
156, 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](#).

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