

Converting Colors

XYZ(33.0547, 33.7336, 36.8754)

Have a look what the booklet for
XYZ(33.0547, 33.7336, 36.8754)
contains.

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Color

**XYZ(33.1170, 33.7695,
36.6710)**

Conversions

Conversions Part 1

Format	Color
Hex	A49B9D
RGB	164, 155, 157
RGB Percent	64%, 61%, 62%
CMY	0.3569, 0.3921, 0.3843
CMYK	0.00, 0.05, 0.04, 0.36
HSL	347°, 5%, 63%
HSV	347°, 5%, 64%
XYZ	33.1170, 33.7695, 36.6710
YIQ	157.9190, 4.7220, 2.5300

Conversions

Conversions Part 2

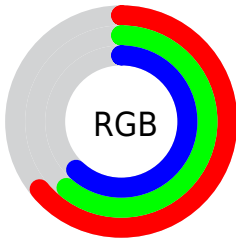
Format	Color
RYB	164, 155, 157
Decimal	10787741
CIELab	64.78, 3.65, 0.12
CIELCh	65, 3.652, 1.948
Yxy	33.7695, 0.3198, 0.3261
Android (android.graphics.Color)	4288977821 (0xFFA49B9D)
YUV	157.9190, -0.4531, 5.3330
Hunter-Lab	58.1115, 0.0296, 3.2634

Details

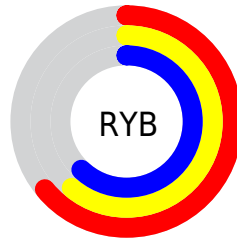
The XYZ color **33.1170, 33.7695, 36.6710** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.3159, 36.1290, 39.4019**, and the grayscale version is **32.4639, 34.1546, 37.1944**.

A 20% lighter version of the original color is **63.8975, 65.4145, 71.5458**, and **14.2339, 14.3860, 15.6622** is the 20% darker color. If you saturate the color by 10%, you get **29.5379, 28.2643, 30.3812**, and if you desaturate by 10%, it is **37.1825, 40.0645, 43.6851**.

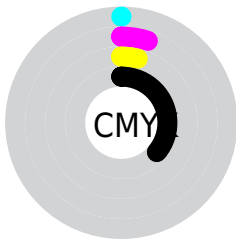
Distribution



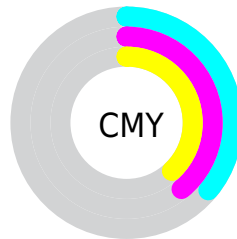
- Red (64%)
- Green (61%)
- Blue (62%)



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



- Cyan (0%)
- Magenta (5%)
- Yellow (4%)
- Black (36%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1170, 33.7695, 36.6710 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 33.1170, 33.7695, 36.6710 by changing the saturation by 10% instead.

■ 33.1170, 33.7695,
36.6710

■ 33.1170, 33.7695,
36.6710

307.8323,
319.1030, 347.0096

■ 22.3758, 22.7166,
24.6591

■ 63.9116, 65.5751,
71.2472

■ 14.2514, 14.3844,
15.6065

■ 84.6957, 87.0965,
94.6485

■ 8.3786, 8.3885,
9.0948

109.5581,
112.8762, 122.6833

■ 4.3920, 4.3445,
4.7054

138.8641,
143.2986, 155.7703

■ 1.9262, 1.8681,
2.0198

172.9792,
178.7481, 194.3278

■ 0.5920, 0.5291,
0.5674

212.2687,

■ 0.0000, 0.0000,

219.6091, 238.7745

0.0000

257.0980,
266.2659, 289.5290

■ 33.1170, 33.7695,
36.6710

■ 33.1170, 33.7695,
36.6710

■ 29.5379, 28.2643,
30.3812

■ 37.1825, 40.0645,
43.6851

■ 26.4241, 23.5136,
24.7903

■ 41.7488, 47.1744,
51.4435

■ 23.7570, 19.4855,
19.8744

■ 46.8335, 55.1283,
59.9682

■ 21.5157, 16.1446,
15.6078

■ 52.4522, 63.9528,
69.2795

■ 19.6776, 13.4521,
11.9626

■ 58.6199, 73.6733,
79.3970

■ 18.2181, 11.3656,
8.9092

■ 65.3511, 84.3140,
90.3396

■ 17.1095, 9.8375,
6.4155

■ 67.7535, 86.0860,
100.4902

■ 16.3204, 8.8129,
4.4458

■ 69.1201, 86.6326,
107.6865

■ 15.8113, 8.2217,
2.9596

Harmonies

Analogous

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



32.9966, 33.7695, 38.1465



33.1170, 33.7695, 36.6710



32.9616, 33.7695, 35.2597

Triad

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



33.1170, 33.7695, 36.6710



31.5654, 33.7695, 34.3689



31.6242, 33.7695, 39.3817

Complementary

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



33.1170, 33.7695, 36.6710



33.3159, 36.1290, 39.4019

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.



31.2474, 33.7695, 38.3213



33.1170, 33.7695, 36.6710



31.2137, 33.7695, 35.4256

Square

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



33.1170, 33.7695, 36.6710



32.0626, 33.7695, 33.9533



31.0980, 33.7695, 36.8677



32.1312, 33.7695, 39.7368

Rectangle

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



33.1170, 33.7695, 36.6710



32.7235, 33.7695, 34.5381



31.0980, 33.7695, 36.8677



31.4783, 33.7695, 39.0945

Sweetspot

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



33.1180, 33.7710, 36.6717



62.5570, 65.0745, 70.8041



33.3033, 33.7955, 39.8904



13.6949, 14.2555, 15.5115



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.



33.1180, 33.7710, 36.6717



58.9849, 59.5576, 64.5964



33.3521, 34.5099, 35.9153



7.2887, 7.3470, 7.9668



12.0032, 6.1573, 1.9413



0.2684, 0.1358, 0.1259

Inverse Universe

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



33.1180, 33.7710, 36.6717



58.9849, 59.5576, 64.5964



33.0696, 35.3499, 40.2027



7.2887, 7.3470, 7.9668



12.0032, 6.1573, 1.9413



0.2684, 0.1358, 0.1259

Previews

White Background



This preview shows how the XYZ color 33.1170, 33.7695, 36.6710 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 33.1170, 33.7695, 36.6710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

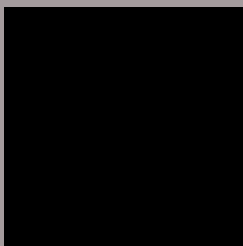
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.1170, 33.7695, 36.6710

Background



This preview shows how black text looks on a background with the XYZ color 33.1170, 33.7695, 36.6710.

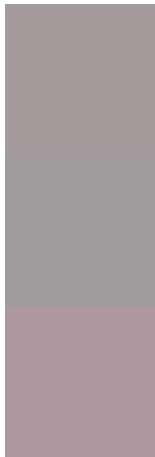


This preview shows how white text looks on a background with the XYZ color 33.1170, 33.7695,

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

33.1170, 33.7695, 36.6710

Protanopia

32.5572, 33.7191, 37.1402

Deuteranopia

34.4130, 33.6958, 37.0379



Tritanopia

33.9556, 33.8637, 40.8231

Trichromacy



Original Color

33.1170, 33.7695, 36.6710

Protanomaly

32.7580, 33.8226, 37.1496

Deuteranomaly

33.9250, 33.6861, 37.0618

Tritanomaly

33.6835, 33.7549, 39.3904

Monochromacy



Original Color

33.1170, 33.7695, 36.6710

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.7257, 34.0561, 37.1964

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1170, 33.7695, 36.6710 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, 155, 157)` looks like.

```
.text, #text, p{  
    color:rgb(164, 155, 157)  
}
```

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, 155, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 155, 157) }
```

Border

The CSS property to change the border of an element to XYZ 33.1170, 33.7695, 36.6710 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, 155, 157) }
```


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

```
.border{ border-color:rgb(164, 155, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 155, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 155, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 155, 157);  
box-shadow:4px 4px 4px 4px rgb(164, 155,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1170, 33.7695, 36.6710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 155, 157) }
```

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

```
.background{ background-color: rgb(164,  
155, 157) }
```

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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