

Converting Colors

XYZ(33.1660, 34.7643, 27.5172)

Have a look what the booklet for
XYZ(33.1660, 34.7643, 27.5172)
contains.

XYZ(33.1075, 34.7210, 27.5111)	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(33.1075, 34.7210,
27.5111)**

Conversions

Conversions Part 1

Format	Color
Hex	AA9E86
RGB	170, 158, 134
RGB Percent	67%, 62%, 53%
CMY	0.3333, 0.3804, 0.4745
CMYK	0.00, 0.07, 0.21, 0.33
HSL	40°, 17%, 60%
HSV	40°, 21%, 67%
XYZ	33.1075, 34.7210, 27.5111
YIQ	158.8520, 14.8560, -4.9200

Conversions

Conversions Part 2

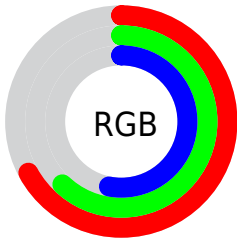
Format	Color
RYB	152, 170, 134
Decimal	11181702
CIELab	65.53, 0.38, 14.13
CIELCh	66, 14.137, 88.473
Yxy	34.7210, 0.3473, 0.3642
Android (android.graphics.Color)	4289371782 (0xFFAA9E86)
YUV	158.8520, -12.2520, 9.7768
Hunter-Lab	58.9245, -2.8254, 13.5654

Details

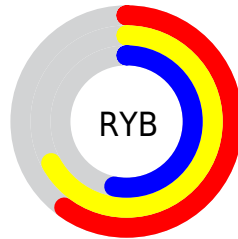
The XYZ color **33.1075, 34.7210, 27.5111** is a light color, and the websafe version is hex **999999**. A complement of this color would be **27.3659, 28.5277, 42.0945**, and the grayscale version is **32.9372, 34.6525, 37.7366**.

A 20% lighter version of the original color is **64.1279, 67.3451, 56.6327**, and **14.1940, 14.9374, 10.5226** is the 20% darker color. If you saturate the color by 10%, you get **31.0720, 32.3973, 21.4456**, and if you desaturate by 10%, it is **35.3800, 37.2132, 34.5968**.

Distribution



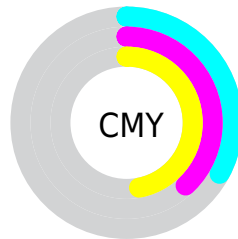
- Red (67%)
- Green (62%)
- Blue (53%)



- Red (60%)
- Yellow (67%)
- Blue (53%)



- Cyan (0%)
- Magenta (7%)
- Yellow (21%)
- Black (33%)



- Cyan (33%)
- Magenta (38%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1075, 34.7210, 27.5111 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 33.1075, 34.7210, 27.5111 by changing the saturation by 10% instead.

■ 33.1075, 34.7210,
27.5111

■ 33.1075, 34.7210,
27.5111

307.7903,
323.3351, 303.9614

■ 22.3684, 23.4480,
17.7216

■ 63.8969, 67.0533,
56.7166

■ 14.2460, 14.9247,
10.5829

■ 84.6779, 88.8815,
76.9697

■ 8.3748, 8.7665,
5.6765

■ 109.5370,
114.9968, 101.5478

■ 4.3895, 4.5892,
2.5838

138.8394,
145.7837, 130.8694

■ 1.9248, 2.0083,
0.8841

172.9506,
181.6266, 165.3530

■ 0.5912, 0.6123,
0.0000

212.2359,

■ 0.0000, 0.0000,

222.9099, 205.4172

0.0000

257.0607,
270.0179, 251.4805

■ 33.1075, 34.7210,
27.5111

■ 33.1075, 34.7210,
27.5111

■ 31.0720, 32.3973,
21.4456

■ 35.3800, 37.2132,
34.5968

■ 29.2611, 30.2325,
16.3501

■ 37.8959, 39.8738,
42.7455

■ 27.6653, 28.2232,
12.1733

■ 40.6646, 42.7086,
52.0000

■ 26.2732, 26.3637,
8.8584

■ 43.6942, 45.7218,
62.4003

■ 25.0721, 24.6480,
6.3419

■ 46.9924, 48.9173,
73.9841

■ 24.0479, 23.0693,
4.5519

■ 50.5666, 52.2990,
86.7876

■ 23.1836, 21.6199,
3.4031

■ 54.4238, 55.8706,
100.8455

■ 22.5220, 20.4348,
2.7573

■ 56.0602, 58.6312,
102.9700

■ 57.4254, 61.3617,
103.4251

Harmonies

Analogous

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



35.1279, 34.7210, 28.8924



33.1075, 34.7210, 27.5111



31.1387, 34.7210, 28.6391

Triad

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



33.1075, 34.7210, 27.5111



29.6227, 34.7210, 43.5080



36.5138, 34.7210, 44.0886

Complementary

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



33.1075, 34.7210, 27.5111



27.3659, 28.5277, 42.0945

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.



34.9366, 34.7210, 48.7442



33.1075, 34.7210, 27.5111



30.9622, 34.7210, 48.3850

Square

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



33.1075, 34.7210, 27.5111



29.1780, 34.7210, 37.5022



32.8953, 34.7210, 50.3920



37.1448, 34.7210, 38.1100

Rectangle

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



33.1075, 34.7210, 27.5111



30.1085, 34.7210, 30.7363



32.8953, 34.7210, 50.3920



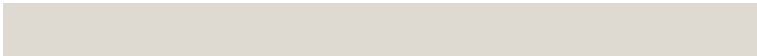
36.0736, 34.7210, 45.8826

Sweetspot

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



33.1084, 34.7226, 27.5118



66.4497, 69.9261, 70.0176



30.2913, 27.6720, 30.9392



14.7549, 15.5264, 15.4083



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



33.1084, 34.7226, 27.5118



58.4398, 61.1593, 44.9879



33.9879, 38.3635, 28.1682



7.9331, 8.3463, 7.9821



16.6201, 15.1375, 2.0458



0.4484, 0.4564, 0.0645

Inverse Universe

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



27.3659, 28.5277, 42.0945



46.2936, 48.0581, 75.8381



26.5964, 25.5284, 41.5561



7.3284, 7.6938, 9.5171



6.4477, 4.3555, 28.4764



0.2036, 0.1995, 0.7084

Previews

White Background



This preview shows how the XYZ color 33.1075, 34.7210, 27.5111 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 33.1075, 34.7210, 27.5111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

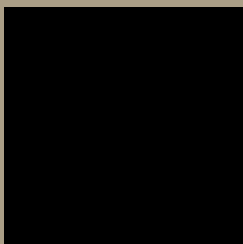
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

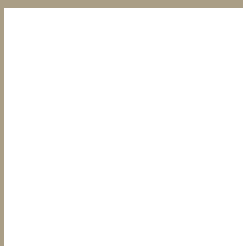
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.1075, 34.7210, 27.5111

Background



This preview shows how black text looks on a background with the XYZ color 33.1075, 34.7210, 27.5111.



This preview shows how white text looks on a background with the XYZ color 33.1075, 34.7210,

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

33.1075, 34.7210, 27.5111

Protanopia

32.8497, 34.8423, 27.5481

Deuteranopia

35.2928, 34.5990, 27.7398



Tritanopia

35.8941, 34.8630, 40.9138

Trichromacy



Original Color

33.1075, 34.7210, 27.5111

Protanomaly

33.0634, 34.9525, 27.5581

Deuteranomaly

34.4546, 34.6569, 27.7952

Tritanomaly

34.7877, 34.6600, 35.4284

Monochromacy



Original Color

33.1075, 34.7210, 27.5111

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

33.0074, 34.7848, 33.8286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1075, 34.7210, 27.5111 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(170, 158, 134)` looks like.

```
.text, #text, p{  
    color:rgb(170, 158, 134)  
}
```

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(170, 158, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 158, 134) }
```

Border

The CSS property to change the border of an element to XYZ 33.1075, 34.7210, 27.5111 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(170, 158, 134) }
```


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

```
.border{ border-color:rgb(170, 158, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 158, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 158, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 158, 134);  
box-shadow:4px 4px 4px 4px rgb(170, 158,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1075, 34.7210, 27.5111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 158, 134) }
```

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

```
.background{ background-color: rgb(170,  
158, 134) }
```

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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