

Converting Colors

XYZ(34.0011, 35.7693, 27.5100)

Have a look what the booklet for
XYZ(34.0011, 35.7693, 27.5100)
contains.

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Color

**XYZ(33.8871, 35.6335,
27.6462)**

Conversions

Conversions Part 1

Format	Color
Hex	ACA086
RGB	172, 160, 134
RGB Percent	67%, 63%, 53%
CMY	0.3255, 0.3725, 0.4745
CMYK	0.00, 0.07, 0.22, 0.33
HSL	41°, 19%, 60%
HSV	41°, 22%, 67%
XYZ	33.8871, 35.6335, 27.6462
YIQ	160.6240, 15.4980, -5.5420

Conversions

Conversions Part 2

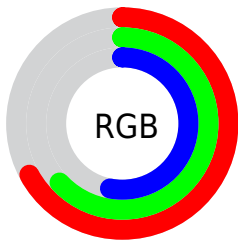
Format	Color
RYB	152, 172, 134
Decimal	11313286
CIELab	66.24, 0.06, 15.15
CIELCh	66, 15.146, 89.756
Yxy	35.6335, 0.3488, 0.3667
Android (android.graphics.Color)	4289503366 (0xFFACA086)
YUV	160.6240, -13.1256, 9.9768
Hunter-Lab	59.6938, -3.1329, 14.3265

Details

The XYZ color **33.8871, 35.6335, 27.6462** is a light color, and the websafe version is hex **999966**. A complement of this color would be **27.5566, 28.6039, 43.0985**, and the grayscale version is **33.7565, 35.5145, 38.6752**.

A 20% lighter version of the original color is **65.2650, 68.6827, 56.8310**, and **14.6766, 15.4993, 10.6056** is the 20% darker color. If you saturate the color by 10%, you get **31.8632, 33.3517, 21.5266**, and if you desaturate by 10%, it is **36.1492, 38.0788, 34.8087**.

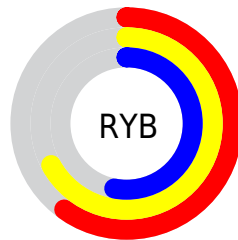
Distribution



Red (67%)

Green (63%)

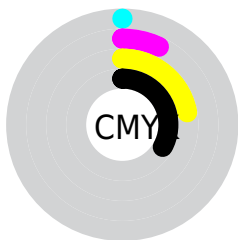
Blue (53%)



Red (60%)

Yellow (67%)

Blue (53%)

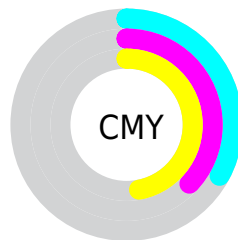


Cyan (0%)

Magenta (7%)

Yellow (22%)

Black (33%)



Cyan (33%)

Magenta (37%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8871, 35.6335, 27.6462 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 33.8871, 35.6335, 27.6462 by changing the saturation by 10% instead.

■ 33.8871, 35.6335,
27.6462

■ 33.8871, 35.6335,
27.6462

311.2231,
327.3558, 304.6310

■ 22.9694, 24.1513,
17.8224

■ 65.1035, 68.4660,
56.9354

■ 14.6915, 15.4459,
10.6544

■ 86.1329, 90.5851,
77.2378

■ 8.6880, 9.1329,
5.7237

■ 111.2636,
117.0186, 101.8703

■ 4.5937, 4.8280,
2.6118

140.8608,
148.1508, 131.2512

■ 2.0432, 2.1467,
0.8985

175.2900,
184.3663, 165.7992

■ 0.6581, 0.6907,
0.0000

214.9166,

■ 0.0000, 0.0000,

226.0493, 205.9328

0.0000

260.1058,
273.5844, 252.0706

■ 33.8871, 35.6335,
27.6462

■ 33.8871, 35.6335,
27.6462

■ 31.8632, 33.3517,
21.5266

■ 36.1492, 38.0788,
34.8087

■ 30.0647, 31.2238,
16.3979

■ 38.6559, 40.6873,
43.0582

■ 28.4818, 29.2463,
12.2069

■ 41.4169, 43.4650,
52.4392

■ 27.1027, 27.4136,
8.8946

■ 44.4405, 46.4158,
62.9928

■ 25.9146, 25.7196,
6.3950

■ 47.7347, 49.5439,
74.7582

■ 24.9025, 24.1575,
4.6330

■ 51.3068, 52.8528,
87.7727

■ 24.0489, 22.7194,
3.5192

■ 55.1641, 56.3463,
102.0719

■ 23.4567, 21.6575,
2.9440

■ 56.5240, 58.9120,
102.9998

■ 57.8325, 61.5291,
103.4360

Harmonies

Analogous

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



36.1027, 35.6335, 29.0184



33.8871, 35.6335, 27.6462



31.7593, 35.6335, 28.9747

Triad

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



33.8871, 35.6335, 27.6462



30.2376, 35.6335, 45.3025



37.7592, 35.6335, 45.4045

Complementary

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



33.8871, 35.6335, 27.6462



27.5566, 28.6039, 43.0985

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.



36.0693, 35.6335, 50.6250



33.8871, 35.6335, 27.6462



31.7286, 35.6335, 50.5617

Square

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



33.8871, 35.6335, 27.6462



29.7100, 35.6335, 38.7458



33.8501, 35.6335, 52.6077



38.3981, 35.6335, 38.8519

Rectangle

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



33.8871, 35.6335, 27.6462



30.6617, 35.6335, 31.3077



33.8501, 35.6335, 52.6077



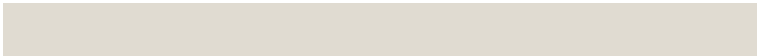
37.2916, 35.6335, 47.3987

Sweetspot

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



33.8880, 35.6351, 27.6470



67.7819, 71.3930, 70.3296



30.7296, 27.8977, 30.9733



14.6748, 15.4573, 15.1011



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.



33.8880, 35.6351, 27.6470



59.4452, 62.3783, 43.9401



34.5798, 39.2293, 28.3042



8.4462, 8.8972, 8.4855



17.5064, 16.2184, 2.2078



0.5332, 0.5435, 0.0768

Inverse Universe

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



27.5566, 28.6039, 43.0985



45.7008, 47.1178, 77.4917



26.9507, 25.6891, 42.5678



7.7776, 8.1545, 10.1167



6.5778, 4.2894, 29.5258



0.2328, 0.2189, 0.8380

Previews

White Background



This preview shows how the XYZ color 33.8871, 35.6335, 27.6462 looks on a white background.

Color Contrast Check

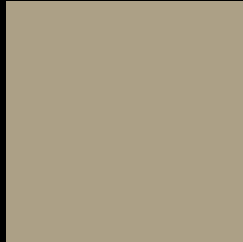
Large Text (above 18pt) WCAG AA × Fail

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 33.8871, 35.6335, 27.6462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

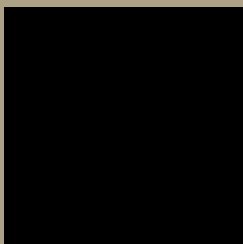
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

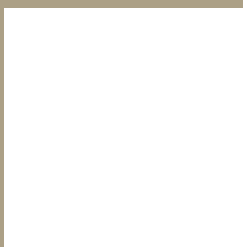
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.8871, 35.6335, 27.6462

Background



This preview shows how black text looks on a background with the XYZ color 33.8871, 35.6335, 27.6462.

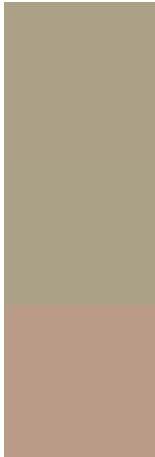


This preview shows how white text looks on a background with the XYZ color 33.8871, 35.6335,

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

33.8871, 35.6335, 27.6462

Protanopia

33.6255, 35.7570, 27.6838

Deuteranopia

36.3442, 35.6311, 27.8836



Tritanopia

36.6009, 35.4628, 41.4751

Trichromacy



Original Color

33.8871, 35.6335, 27.6462

Protanomaly

33.8425, 35.8689, 27.6940

Deuteranomaly

35.4862, 35.6870, 27.9396

Tritanomaly

35.6526, 35.5945, 36.0017

Monochromacy



Original Color

33.8871, 35.6335, 27.6462

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.8478, 35.7234, 34.3895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8871, 35.6335, 27.6462 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(172, 160, 134)` looks like.

```
.text, #text, p{  
    color:rgb(172, 160, 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(172, 160, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 160, 134) }
```

Border

The CSS property to change the border of an element to XYZ 33.8871, 35.6335, 27.6462 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(172, 160, 134) }
```


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

```
.border{ border-color:rgb(172, 160, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 160, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 160, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 160, 134);  
box-shadow:4px 4px 4px 4px rgb(172, 160,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8871, 35.6335, 27.6462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 160, 134) }
```

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

```
.background{ background-color: rgb(172,  
160, 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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