

Converting Colors

XYZ(33.2844, 34.3701, 27.4033)

Have a look what the booklet for
XYZ(33.2844, 34.3701, 27.4033)
contains.

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Color

**XYZ(33.2048, 34.2688,
27.4187)**

Conversions

Conversions Part 1

Format	Color
Hex	AC9C86
RGB	172, 156, 134
RGB Percent	67%, 61%, 53%
CMY	0.3255, 0.3882, 0.4745
CMYK	0.00, 0.09, 0.22, 0.33
HSL	35°, 19%, 60%
HSV	35°, 22%, 67%
XYZ	33.2048, 34.2688, 27.4187
YIQ	158.2760, 16.5980, -3.4500

Conversions

Conversions Part 2

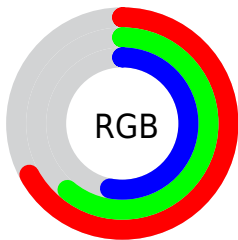
Format	Color
R_{YB}	162, 172, 134
Decimal	11312262
CIE _{Lab}	65.18, 2.25, 13.66
CIE _{LCh}	65, 13.845, 80.634
Yxy	34.2688, 0.3499, 0.3611
Android (android.graphics.Color)	4289502342 (0xFFAC9C86)
YUV	158.2760, -11.9681, 12.0359
Hunter-Lab	58.5396, -1.1955, 13.2075

Details

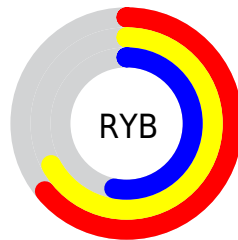
The XYZ color **33.2048, 34.2688, 27.4187** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.1841, 29.8589, 43.3078**, and the grayscale version is **32.6728, 34.3743, 37.4336**.

A 20% lighter version of the original color is **64.0111, 66.1750, 56.4130**, and **14.2596, 14.6652, 10.4666** is the 20% darker color. If you saturate the color by 10%, you get **30.9227, 31.4706, 21.2130**, and if you desaturate by 10%, it is **35.7563, 37.2930, 34.6777**.

Distribution



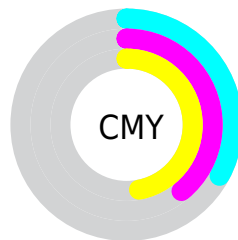
- Red (67%)
- Green (61%)
- Blue (53%)



- Red (64%)
- Yellow (67%)
- Blue (53%)



- Cyan (0%)
- Magenta (9%)
- Yellow (22%)
- Black (33%)





- Cyan (33%)
- Magenta (39%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2048, 34.2688, 27.4187 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 33.2048, 34.2688, 27.4187 by changing the saturation by 10% instead.


 33.2048, 34.2688,
27.4187


 33.2048, 34.2688,
27.4187

308.2203,
321.3290, 303.5028


 22.4434, 23.1002,
17.6527

 64.0477, 66.3515,
56.5669

 14.3015, 14.6675,
10.5341


 84.8598, 88.0343,
76.7862

 8.4137, 8.5864,
5.6443


 109.7530,
113.9906, 101.3270

 4.4148, 4.4724,
2.5647

139.0924,
144.6049, 130.6079

 1.9394, 1.9412,
0.8742

173.2435,
180.2614, 165.0474

 0.5996, 0.5729,
0.0000

212.5716,

 0.0000, 0.0000,

221.3447, 205.0640

0.0000

257.4420,
268.2391, 251.0763

■ 33.2048, 34.2688,
27.4187

■ 33.2048, 34.2688,
27.4187

■ 30.9227, 31.4706,
21.2130

■ 35.7563, 37.2930,
34.6777

■ 28.8966, 28.8875,
16.0085

■ 38.5846, 40.5446,
43.0344

■ 27.1159, 26.5145,
11.7515

■ 41.6999, 44.0308,
52.5335

■ 25.5681, 24.3443,
8.3830

■ 45.1111, 47.7569,
63.2163

■ 24.2395, 22.3694,
5.8366

■ 48.8270, 51.7283,
75.1223

■ 23.1143, 20.5811,
4.0369

■ 52.8555, 55.9500,
88.2889

■ 22.1742, 18.9699,
2.8943

■ 57.2045, 60.4269,
102.7520

■ 21.5318, 17.8075,
2.3024

■ 59.0919, 64.0477,
103.8557

■ 60.9645, 67.7930,
104.4799

Harmonies

Analogous

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



35.0860, 34.2688, 29.3899



33.2048, 34.2688, 27.4187



31.2278, 34.2688, 27.8795

Triad

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



33.2048, 34.2688, 27.4187



29.0853, 34.2688, 41.3527



35.6531, 34.2688, 44.7865

Complementary

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



33.2048, 34.2688, 27.4187



28.1841, 29.8589, 43.3078

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.



33.9531, 34.2688, 48.6652



33.2048, 34.2688, 27.4187



30.1800, 34.2688, 46.5454

Square

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



33.2048, 34.2688, 27.4187



28.9035, 34.2688, 35.5396



31.9462, 34.2688, 49.3400



36.5374, 34.2688, 39.1443

Rectangle

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



33.2048, 34.2688, 27.4187



30.1178, 34.2688, 29.5244



31.9462, 34.2688, 49.3400



35.1549, 34.2688, 46.3632

Sweetspot

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



33.2057, 34.2703, 27.4194



67.3515, 70.5322, 70.1861



31.0814, 28.0384, 32.8257



14.5741, 15.2559, 15.0675



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.



33.2057, 34.2703, 27.4194



57.9477, 59.3833, 43.4410



35.5184, 39.7133, 28.3481



8.3759, 8.7565, 8.4621



16.0783, 13.3621, 1.7317



0.4999, 0.4769, 0.0657

Inverse Universe

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



28.1841, 29.8589, 43.3078



47.0458, 49.8079, 77.9401



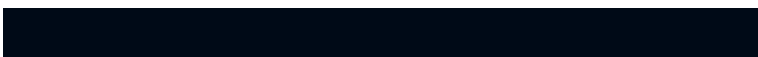
26.2121, 25.3082, 42.5334



7.8456, 8.2906, 10.1394



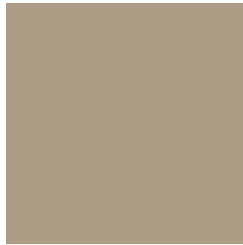
7.3374, 5.8086, 29.7790



0.2590, 0.2714, 0.8467

Previews

White Background



This preview shows how the XYZ color 33.2048, 34.2688, 27.4187 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 33.2048, 34.2688, 27.4187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

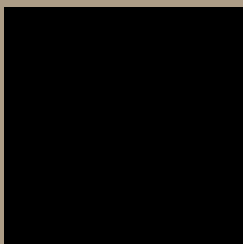
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

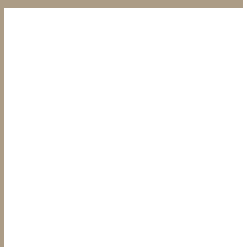
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.2048, 34.2688, 27.4187

Background



This preview shows how black text looks on a background with the XYZ color 33.2048, 34.2688, 27.4187.



This preview shows how white text looks on a background with the XYZ color 33.2048, 34.2688,

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

33.2048, 34.2688, 27.4187

Protanopia

32.3259, 34.3100, 27.8404

Deuteranopia

34.8928, 34.1508, 27.6744



Tritanopia

35.8336, 34.3669, 39.8668

Trichromacy



Original Color

33.2048, 34.2688, 27.4187

Protanomaly

32.5786, 34.1880, 27.8035

Deuteranomaly

34.1245, 33.9967, 27.6851

Tritanomaly

34.8202, 34.1963, 34.9023

Monochromacy



Original Color

33.2048, 34.2688, 27.4187

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.5860, 34.0704, 33.2925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2048, 34.2688, 27.4187 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, 156, 134)` looks like.

```
.text, #text, p{  
    color:rgb(172, 156, 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, 156, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 156, 134) }
```

Border

The CSS property to change the border of an element to XYZ 33.2048, 34.2688, 27.4187 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, 156, 134) }
```


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

```
.border{ border-color:rgb(172, 156, 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, 156, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 156, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 156, 134);  
box-shadow:4px 4px 4px 4px rgb(172, 156,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2048, 34.2688, 27.4187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 156, 134) }
```

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

```
.background{ background-color: rgb(172,  
156, 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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