

Converting Colors

XYZ(34.4747, 36.7116, 27.6587)

Have a look what the booklet for
XYZ(34.4747, 36.7116, 27.6587)
contains.

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Color

**XYZ(34.4135, 36.6863,
27.8216)**

Conversions

Conversions Part 1

Format	Color
Hex	ACA386
RGB	172, 163, 134
RGB Percent	67%, 64%, 53%
CMY	0.3255, 0.3608, 0.4745
CMYK	0.00, 0.05, 0.22, 0.33
HSL	46°, 19%, 60%
HSV	46°, 22%, 67%
XYZ	34.4135, 36.6863, 27.8216
YIQ	162.3850, 14.6730, -7.1110

Conversions

Conversions Part 2

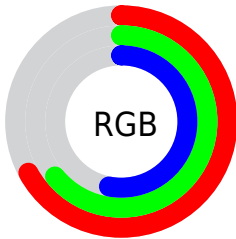
Format	Color
RYB	146, 172, 134
Decimal	11314054
CIELab	67.04, -1.57, 16.26
CIElCh	67, 16.337, 95.501
Yxy	36.6863, 0.3479, 0.3709
Android (android.graphics.Color)	4289504134 (0xFFACA386)
YUV	162.3850, -13.9938, 8.4324
Hunter-Lab	60.5692, -4.5781, 15.1644

Details

The XYZ color **34.4135, 36.6863, 27.8216** is a light color, and the websafe version is hex **999966**. A complement of this color would be **27.1001, 27.6910, 42.9464**, and the grayscale version is **34.5828, 36.3838, 39.6220**.

A 20% lighter version of the original color is **66.0360, 70.2246, 57.0880**, and **14.8924, 15.9309, 10.6776** is the 20% darker color. If you saturate the color by 10%, you get **32.5991, 34.8235, 21.7719**, and if you desaturate by 10%, it is **36.4483, 38.6770, 34.9083**.

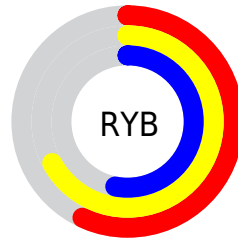
Distribution



Red (67%)

Green (64%)

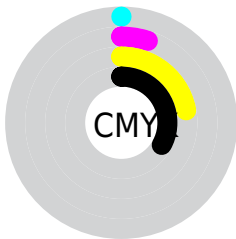
Blue (53%)



Red (57%)

Yellow (67%)

Blue (53%)

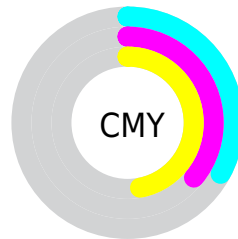


Cyan (0%)

Magenta (5%)

Yellow (22%)

Black (33%)



Cyan (33%)

Magenta (36%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4135, 36.6863, 27.8216 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 34.4135, 36.6863, 27.8216 by changing the saturation by 10% instead.

■ 34.4135, 36.6863,
27.8216

■ 34.4135, 36.6863,
27.8216

313.5255,
331.9504, 305.4985

■ 23.3758, 24.9647,
17.9534

■ 65.9162, 70.0900,
57.2192

■ 14.9935, 16.0508,
10.7474

■ 87.1120, 92.5410,
77.5856

■ 8.9011, 9.5601,
5.7852

■ 112.4245,
119.3372, 102.2884

■ 4.7333, 5.1083,
2.6483

142.2191,
150.8630, 131.7463

■ 2.1248, 2.3109,
0.9172

176.8611,
187.5028, 166.3777

■ 0.7026, 0.7795,
0.0000

216.7159,

■ 0.0000, 0.0000,

229.6410, 206.6012

0.0000

262.1490,
277.6621, 252.8353

■ 34.4135, 36.6863,
27.8216

■ 34.4135, 36.6863,
27.8216

■ 32.5991, 34.8235,
21.7719

■ 36.4483, 38.6770,
34.9083

■ 30.9925, 33.0795,
16.7072

■ 38.7096, 40.7947,
43.0761

■ 29.5843, 31.4514,
12.5744

■ 41.2067, 43.0446,
52.3691

■ 28.3631, 29.9343,
9.3146

■ 43.9478, 45.4303,
62.8285

■ 27.3161, 28.5227,
6.8622

■ 46.9404, 47.9553,
74.4934

■ 26.4290, 27.2105,
5.1418

■ 50.1917, 50.6226,
87.4009

■ 25.6845, 25.9905,
4.0644

■ 53.7087, 53.4355,
101.5866

■ 25.1675, 25.0791,
3.5143

■ 54.7084, 55.2810,
102.3946

■ 55.6368, 57.1378,
102.7041

Harmonies

Analogous

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



36.8868, 36.6863, 28.7495



34.4135, 36.6863, 27.8216



32.1694, 36.6863, 29.8152

Triad

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



34.4135, 36.6863, 27.8216



31.1249, 36.6863, 48.4237



39.3969, 36.6863, 45.8879

Complementary

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



34.4135, 36.6863, 27.8216



27.1001, 27.6910, 42.9464

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.



37.7160, 36.6863, 52.1432



34.4135, 36.6863, 27.8216



32.9266, 36.6863, 53.7247

Square

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



34.4135, 36.6863, 27.8216



30.3293, 36.6863, 41.2704



35.3290, 36.6863, 55.1606



39.8410, 36.6863, 38.6485

Rectangle

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



34.4135, 36.6863, 27.8216



31.0805, 36.6863, 32.6901



35.3290, 36.6863, 55.1606



38.9540, 36.6863, 48.2012

Sweetspot

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



34.4145, 36.6879, 27.8224



68.1075, 72.0443, 70.4382



30.5345, 27.8196, 29.9464



14.7510, 15.6097, 15.1265



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.



34.4145, 36.6879, 27.8224



60.6091, 64.7060, 44.3281



34.0579, 38.9603, 28.2798



8.4996, 9.0039, 8.5033



18.7724, 18.7503, 2.6298



0.5608, 0.5987, 0.0860

Inverse Universe

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



27.1001, 27.6910, 42.9464



44.7312, 45.1787, 77.1685



27.3863, 25.9136, 42.5882



7.7271, 8.0536, 10.0999



6.1607, 3.4552, 29.3867



0.2131, 0.1796, 0.8314

Previews

White Background



This preview shows how the XYZ color 34.4135, 36.6863, 27.8216 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 34.4135, 36.6863, 27.8216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

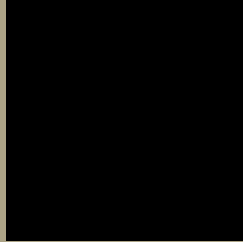
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.4135, 36.6863, 27.8216

Background



This preview shows how black text looks on a background with the XYZ color 34.4135, 36.6863, 27.8216.



This preview shows how white text looks on a background with the XYZ color 34.4135, 36.6863,

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

34.4135, 36.6863, 27.8216

Protanopia

34.6338, 36.7999, 27.8319

Deuteranopia

37.4164, 36.6820, 28.0300



Tritanopia

37.6140, 36.7031, 43.1321

Trichromacy



Original Color

34.4135, 36.6863, 27.8216

Protanomaly

34.6338, 36.7999, 27.8319

Deuteranomaly

36.2998, 36.6128, 28.0754

Tritanomaly

36.3358, 36.6899, 37.0650

Monochromacy



Original Color

34.4135, 36.6863, 27.8216

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.3137, 36.2147, 34.8874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4135, 36.6863, 27.8216 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, 163, 134)` looks like.

```
.text, #text, p{  
    color:rgb(172, 163, 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, 163, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 163, 134) }
```

Border

The CSS property to change the border of an element to XYZ 34.4135, 36.6863, 27.8216 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, 163, 134) }
```


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

```
.border{ border-color:rgb(172, 163, 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, 163, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 163, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 163, 134);  
box-shadow:4px 4px 4px 4px rgb(172, 163,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4135, 36.6863, 27.8216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 163, 134) }
```

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

```
.background{ background-color: rgb(172,  
163, 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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