

# Converting Colors

XYZ(34.9956, 40.8749, 28.9669)

Have a look what the booklet for  
XYZ(34.9956, 40.8749, 28.9669)  
contains.

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# Color

**XYZ(34.9956, 40.8749,  
28.9669)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2B187
RGB	162, 177, 135
RGB Percent	64%, 69%, 53%
CMY	0.3647, 0.3059, 0.4706
CMYK	0.08, 0.00, 0.24, 0.31
HSL	81°, 21%, 61%
HSV	81°, 24%, 69%
XYZ	34.9956, 40.8749, 28.9669
YIQ	167.7270, 4.5420, -16.2420

# Conversions

## Conversions Part 2

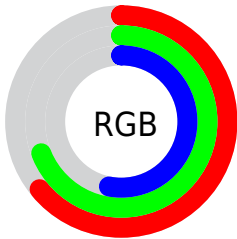
Format	Color
<a href="#">RYB</a>	<a href="#">135, 177, 150</a>
Decimal	<a href="#">10662279</a>
CIELab	<a href="#">70.09, -12.70, 19.80</a>
CIElCh	<a href="#">70, 23.522, 122.685</a>
Yxy	<a href="#">40.8749, 0.3338, 0.3899</a>
Android (android.graphics.Color)	<a href="#">4288852359 (0xFFA2B187)</a>
YUV	<a href="#">167.7270, -16.1344, -5.0226</a>
Hunter-Lab	<a href="#">63.9335, -14.1771, 17.8904</a>

# Details

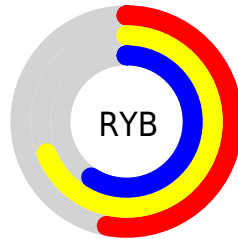
The XYZ color **34.9956, 40.8749, 28.9669** is a light color, and the websafe version is hex **999966**. A complement of this color would be **29.1791, 26.9875, 45.2684**, and the grayscale version is **37.1615, 39.0968, 42.5764**.

A 20% lighter version of the original color is **66.8313, 76.6604, 58.8515**, and **15.2778, 18.3862, 11.3380** is the 20% darker color. If you saturate the color by 10%, you get **32.5996, 39.7732, 22.8815**, and if you desaturate by 10%, it is **37.6655, 42.0964, 36.1484**.

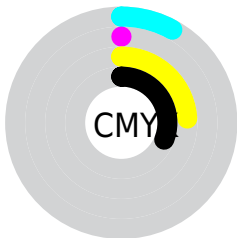
# Distribution



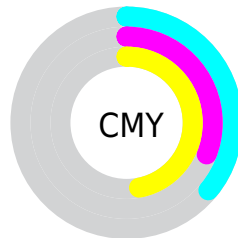
- Red (64%)
- Green (69%)
- Blue (53%)



- Red (53%)
- Yellow (69%)
- Blue (59%)



- Cyan (8%)
- Magenta (0%)
- Yellow (24%)
- Black (31%)




- Cyan (36%)
- Magenta (31%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9956, 40.8749, 28.9669 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 34.9956, 40.8749, 28.9669 by changing the saturation by 10% instead.





 34.9956, 40.8749,  
28.9669


 34.9956, 40.8749,  
28.9669


316.0573,  
349.7975, 311.1148


 23.8260, 28.2213,  
18.8104


 66.8130, 76.4940,  
59.0660

 15.3286, 18.4926,  
11.3579


 88.1915, 100.2282,  
79.8458

 9.1382, 11.3042,  
6.1909


 113.7037,  
128.4249, 105.0037

 4.8892, 6.2718,  
2.8909

143.7149,  
161.4683, 134.9584

 2.2165, 3.0111,  
1.0392

178.5906,  
199.7429, 170.1282

 0.7514, 1.1375,  
0.0000

218.6959,

 0.0000, 0.0098,

243.6330, 210.9319

0.0000

264.3964,  
293.5231, 257.7879

■ 0.0000, 0.0000,  
0.0000

■ 34.9956, 40.8749,  
28.9669

■ 34.9956, 40.8749,  
28.9669

■ 32.5996, 39.7732,  
22.8815

■ 37.6655, 42.0964,  
36.1484

■ 30.4633, 38.7813,  
17.8355

■ 40.6167, 43.4365,  
44.4735

■ 28.5755, 37.8961,  
13.7714


■ 43.8599, 44.9012,  
53.9903

■ 26.9231, 37.1122,  
10.6248


■ 47.4046, 46.4942,  
64.7432

■ 25.4914, 36.4236,  
8.3236


■ 51.2595, 48.2192,  
76.7743


 24.2637, 35.8235,  
6.7852


 55.4333, 50.0797,  
90.1238

 23.2201, 35.3038,  
5.9101

 59.2987, 51.8250,  
101.4856

 22.6334, 35.0084,  
5.5644

 61.0926, 52.7497,  
101.5695

 62.9579, 53.7113,  
101.6568

# Harmonies

## Analogous

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



38.5053, 40.8749, 26.5392



34.9956, 40.8749, 28.9669



32.6488, 40.8749, 35.4853

# Triad

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



34.9956, 40.8749, 28.9669



35.5577, 40.8749, 66.0771



46.7076, 40.8749, 43.5219

# Complementary

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



34.9956, 40.8749, 28.9669



29.1791, 26.9875, 45.2684

# 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.



45.7914, 40.8749, 54.9385



34.9956, 40.8749, 28.9669



39.1975, 40.8749, 69.1642

# Square

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



34.9956, 40.8749, 28.9669



32.9580, 40.8749, 56.9380



42.9783, 40.8749, 64.7954



45.4063, 40.8749, 34.0293



# Rectangle

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



34.9956, 40.8749, 28.9669



31.9734, 40.8749, 41.8658



42.9783, 40.8749, 64.7954



46.6488, 40.8749, 47.2545

# Sweetspot

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



34.9967, 40.8767, 28.9678



70.8900, 76.9511, 74.3574



33.3647, 32.8148, 27.4977



15.2964, 16.6463, 15.9256



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832



# Same Dimension

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



34.9967, 40.8767, 28.9678



60.5767, 72.2412, 46.4632



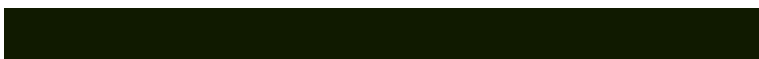
31.1322, 38.8845, 28.7869



8.8967, 9.7518, 9.0659



16.4658, 25.3985, 4.0346



0.5788, 0.8305, 0.1298



# Inverse Universe

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



29.1791, 26.9875, 45.2684



48.4982, 43.3981, 80.3158



33.3306, 29.1276, 45.4626



8.3189, 8.3729, 10.6840



7.3064, 3.1024, 30.3507



0.2949, 0.1311, 0.9580



# Previews

## White Background



This preview shows how the XYZ color 34.9956, 40.8749, 28.9669 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 34.9956, 40.8749, 28.9669 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

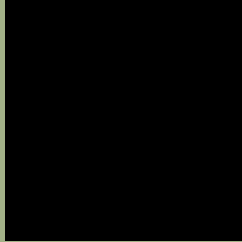
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 34.9956, 40.8749, 28.9669**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.9956, 40.8749, 28.9669.



This preview shows how white text looks on a background with the XYZ color 34.9956, 40.8749,



# 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

34.9956, 40.8749, 28.9669

### Protanopia

38.2562, 40.8590, 27.7001

### Deuteranopia

41.4161, 40.5280, 29.6846



## Tritanopia

39.3886, 40.6452, 51.1167

# Trichromacy



## Original Color

34.9956, 40.8749, 28.9669

## Protanomaly

36.8564, 40.6946, 28.1026

## Deuteranomaly

38.9530, 40.6212, 29.4545

## Tritanomaly

37.5524, 40.7473, 41.9622

# Monochromacy



## Original Color

34.9956, 40.8749, 28.9669

## Achromatopsia

37.2190, 39.1572, 42.6422

## Achromatomaly

36.2895, 39.6331, 37.1898

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.9956, 40.8749, 28.9669 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(162, 177, 135)` looks like.

```
.text, #text, p{  
    color:rgb(162, 177, 135)  
}
```

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(162, 177, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 177, 135) }
```

## Border

The CSS property to change the border of an element to XYZ 34.9956, 40.8749, 28.9669 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(162, 177, 135) }
```



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

```
.border{ border-color:rgb(162, 177, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 177, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 177, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 177, 135);  
box-shadow:4px 4px 4px 4px rgb(162, 177,  
135) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.9956, 40.8749, 28.9669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 177, 135) }
```

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

```
.background{ background-color: rgb(162,  
177, 135) }
```

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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