

Converting Colors

XYZ(36.9343, 40.6771, 37.7996)

Have a look what the booklet for
XYZ(36.9343, 40.6771, 37.7996)
contains.

XYZ(36.9477, 40.8134, 37.8287)	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(36.9477, 40.8134,
37.8287)**

Conversions

Conversions Part 1

Format	Color
Hex	A6AE9D
RGB	166, 174, 157
RGB Percent	65%, 68%, 62%
CMY	0.3490, 0.3176, 0.3843
CMYK	0.05, 0.00, 0.10, 0.32
HSL	88°, 9%, 65%
HSV	88°, 10%, 68%
XYZ	36.9477, 40.8134, 37.8287
YIQ	169.6700, 0.6890, -6.9830

Conversions

Conversions Part 2

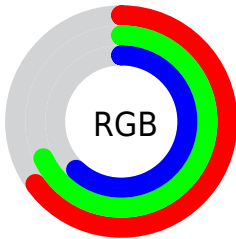
Format	Color
RYB	157, 174, 165
Decimal	10923677
CIELab	70.04, -5.97, 7.75
CIELCh	70, 9.788, 127.608
Yxy	40.8134, 0.3196, 0.3531
Android (android.graphics.Color)	4289113757 (0xFFA6AE9D)
YUV	169.6700, -6.2463, -3.2186
Hunter-Lab	63.8854, -8.5650, 9.6121

Details

The XYZ color **36.9477, 40.8134, 37.8287** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.2156, 35.1704, 44.9791**, and the grayscale version is **38.0750, 40.0579, 43.6230**.

A 20% lighter version of the original color is **69.7218, 76.1642, 73.3138**, and **16.5005, 18.5371, 16.3440** is the 20% darker color. If you saturate the color by 10%, you get **33.9043, 39.4053, 30.4760**, and if you desaturate by 10%, it is **40.3143, 42.3661, 46.3027**.

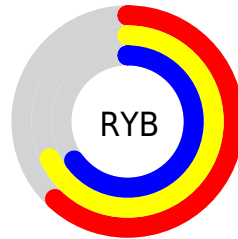
Distribution



Red (65%)

Green (68%)

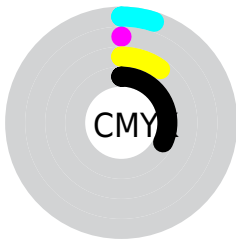
Blue (62%)



Red (62%)

Yellow (68%)

Blue (65%)

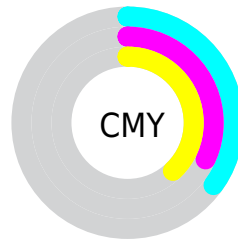


Cyan (5%)

Magenta (0%)

Yellow (10%)

Black (32%)



Cyan (35%)

Magenta (32%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9477, 40.8134, 37.8287 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 36.9477, 40.8134, 37.8287 by changing the saturation by 10% instead.

■ 36.9477, 40.8134,
37.8287

■ 36.9477, 40.8134,
37.8287

324.4435,
349.5401, 352.1607

■ 25.3405, 28.1733,
25.5490

■ 69.8067, 76.4005,
73.0460

■ 16.4610, 18.4563,
16.2638

■ 91.7892, 100.1164,
96.8207

■ 9.9439, 11.2781,
9.5546

117.9608,
128.2929, 125.2641

■ 5.4237, 6.2542,
5.0030

148.6869,
161.3146, 158.7947

■ 2.5353, 3.0003,
2.1902

184.3329,
199.5658, 197.8311

■ 0.9131, 1.1319,
0.6687

225.2641,

■ 0.0000, 0.0050,

243.4308, 242.7919

0.0000

271.8458,
293.2941, 294.0956

■ 0.0000, 0.0000,
0.0000

■ 36.9477, 40.8134,
37.8287

■ 36.9477, 40.8134,
37.8287

■ 33.9043, 39.4053,
30.4760

■ 40.3143, 42.3661,
46.3027

■ 31.1699, 38.1318,
24.1949

■ 44.0111, 44.0624,
55.9396

■ 28.7340, 36.9899,
18.9361

■ 48.0491, 45.9082,
66.7819

■ 26.5841, 35.9744,
14.6453

■ 52.4376, 47.9076,
78.8694

■ 24.7067, 35.0795,
11.2631

■ 57.1857, 50.0643,
92.2400

■ 23.0872, 34.2991,
8.7235

■ 61.2536, 51.9627,
101.4091

■ 21.7089, 33.6264,
6.9520

■ 63.7216, 53.2350,
101.5246

■ 20.5527, 33.0533,
5.8603

■ 66.3118, 54.5703,
101.6458

■ 19.5812, 32.5646,
5.2650

■ 69.0258, 55.9694,
101.7729

Harmonies

Analogous

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



38.3867, 40.8134, 36.2783



36.9477, 40.8134, 37.8287



36.0210, 40.8134, 41.1717

Triad

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



36.9477, 40.8134, 37.8287



37.6337, 40.8134, 53.0776



41.9164, 40.8134, 43.2845

Complementary

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



36.9477, 40.8134, 37.8287



35.2156, 35.1704, 44.9791

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.



41.7014, 40.8134, 47.8744



36.9477, 40.8134, 37.8287



39.2000, 40.8134, 53.7397

Square

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



36.9477, 40.8134, 37.8287



36.4094, 40.8134, 50.0255



40.6965, 40.8134, 51.7774



41.2762, 40.8134, 39.2844

Rectangle

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



36.9477, 40.8134, 37.8287



35.8036, 40.8134, 44.0728



40.6965, 40.8134, 51.7774



41.9421, 40.8134, 44.8069

Sweetspot

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



36.9488, 40.8152, 37.8296



71.0540, 75.8922, 78.7122



36.9860, 38.3207, 37.3461



15.6828, 16.8173, 17.2171



84.5950, 89.0005, 96.9216



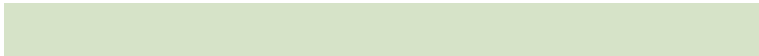
16.2198, 17.0645, 18.5832

Same Dimension

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



36.9488, 40.8152, 37.8296



65.6173, 73.3835, 65.1758



35.2385, 39.9335, 37.7495



8.2939, 9.1401, 8.5404



14.2555, 23.6461, 3.8128



0.4591, 0.6900, 0.1090

Inverse Universe

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



35.2156, 35.1704, 44.9791



61.7528, 60.7972, 81.1172



37.0281, 36.1047, 45.0639



7.9239, 7.9351, 10.0667



8.1266, 3.5493, 29.3013



0.2896, 0.1315, 0.8181

Previews

White Background



This preview shows how the XYZ color 36.9477, 40.8134, 37.8287 looks on a white background.

Color Contrast Check

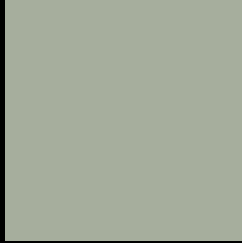
Large Text (above 18pt) WCAG AA × Fail

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 36.9477, 40.8134, 37.8287 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

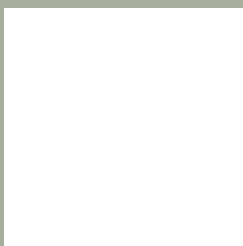
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.9477, 40.8134, 37.8287

Background



This preview shows how black text looks on a background with the XYZ color 36.9477, 40.8134, 37.8287.



This preview shows how white text looks on a background with the XYZ color 36.9477, 40.8134,

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

36.9477, 40.8134, 37.8287

Protanopia

38.6512, 40.5810, 36.8061

Deuteranopia

41.4514, 40.6199, 38.4566



Tritanopia

39.6040, 40.7562, 51.1268

Trichromacy



Original Color

36.9477, 40.8134, 37.8287

Protanomaly

38.0192, 40.5248, 37.2707

Deuteranomaly

39.7026, 40.5412, 38.0804

Tritanomaly

38.5651, 40.6168, 45.8516

Monochromacy



Original Color

36.9477, 40.8134, 37.8287

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.7166, 40.2774, 41.3838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9477, 40.8134, 37.8287 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(166, 174, 157) looks like.

```
.text, #text, p{  
    color:rgb(166, 174, 157)  
}
```

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(166, 174, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 174, 157) }
```

Border

The CSS property to change the border of an element to XYZ 36.9477, 40.8134, 37.8287 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(166, 174, 157) }
```


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

```
.border{ border-color:rgb(166, 174, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 174, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 174, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 174, 157);  
box-shadow:4px 4px 4px 4px rgb(166, 174,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9477, 40.8134, 37.8287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 174, 157) }
```

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

```
.background{ background-color: rgb(166,  
174, 157) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor