

Converting Colors

XYZ(37.5597, 40.6614, 28.8939)

Have a look what the booklet for
XYZ(37.5597, 40.6614, 28.8939)
contains.

XYZ(37.7161, 40.8380, 28.8163)	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(37.7161, 40.8380,
28.8163)**

Conversions

Conversions Part 1

Format	Color
Hex	B3AC87
RGB	179, 172, 135
RGB Percent	70%, 67%, 53%
CMY	0.2980, 0.3255, 0.4706
CMYK	0.00, 0.04, 0.25, 0.30
HSL	50°, 22%, 62%
HSV	50°, 25%, 70%
XYZ	37.7161, 40.8380, 28.8163
YIQ	169.8750, 16.0490, -10.0230

Conversions

Conversions Part 2

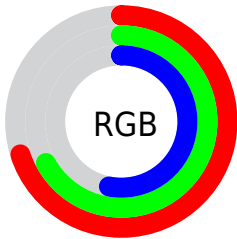
Format	Color
RYB	143, 179, 135
Decimal	11775111
CIELab	70.06, -3.54, 19.98
CIELCh	70, 20.286, 100.036
Yxy	40.8380, 0.3513, 0.3803
Android (android.graphics.Color)	4289965191 (0xFFB3AC87)
YUV	169.8750, -17.1934, 8.0026
Hunter-Lab	63.9046, -6.4835, 17.9978

Details

The XYZ color **37.7161, 40.8380, 28.8163** is a light color, and the websafe version is hex **999966**. A complement of this color would be **27.8012, 27.7509, 46.5392**, and the grayscale version is **38.2244, 40.2151, 43.7942**.

A 20% lighter version of the original color is **70.8071, 76.2312, 58.5591**, and **16.9603, 18.5244, 11.2760** is the 20% darker color. If you saturate the color by 10%, you get **36.0248, 39.3054, 22.5489**, and if you desaturate by 10%, it is **39.6331, 42.4822, 36.2053**.

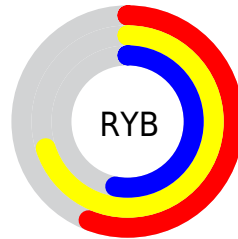
Distribution



Red (70%)

Green (67%)

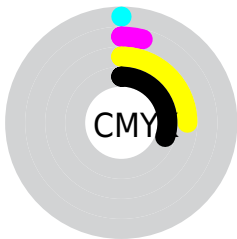
Blue (53%)



Red (56%)

Yellow (70%)

Blue (53%)

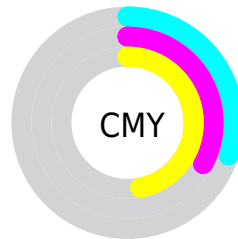


Cyan (0%)

Magenta (4%)

Yellow (25%)

Black (30%)



Cyan (30%)

Magenta (33%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7161, 40.8380, 28.8163 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 37.7161, 40.8380, 28.8163 by changing the saturation by 10% instead.

■ 37.7161, 40.8380,
28.8163

■ 37.7161, 40.8380,
28.8163

327.7025,
349.6431, 310.3810

■ 25.9386, 28.1925,
18.6975

■ 70.9795, 76.4379,
58.8238

■ 16.9102, 18.4708,
11.2773

■ 93.1961, 100.1611,
79.5496

■ 10.2654, 11.2885,
6.1372

■ 119.6232,
128.3457, 104.6481

■ 5.6389, 6.2613,
2.8585

150.6261,
161.3761, 134.5380

■ 2.6653, 3.0046,
1.0229

186.5701,
199.6366, 169.6376

■ 0.9794, 1.1341,
0.0000

227.8206,

■ 0.0000, 0.0069,

243.5117, 210.3656

0.0000

274.7429,
293.3857, 257.1406

■ 0.0000, 0.0000,
0.0000

■ 37.7161, 40.8380,
28.8163

■ 37.7161, 40.8380,
28.8163

■ 36.0248, 39.3054,
22.5489

■ 39.6331, 42.4822,
36.2053

■ 34.5453, 37.8746,
17.3447

■ 41.7824, 44.2367,
44.7653

■ 33.2671, 36.5426,
13.1440

■ 44.1745, 46.1071,
54.5457

■ 32.1775, 35.3043,
9.8801

■ 46.8182, 48.0970,
65.5925

■ 31.2622, 34.1537,
7.4782

■ 49.7217, 50.2098,
77.9491

■ 30.5047, 33.0843,
5.8519

■ 52.8930, 52.4489,
91.6569

■ 29.8851, 32.0880,
4.8971

■ 55.4742, 54.4712,
102.1979

■ 29.5831, 31.5689,
4.5342

■ 56.1049, 55.7326,
102.4082

■ 56.7478, 57.0183,
102.6224

Harmonies

Analogous

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



41.0304, 40.8380, 29.4324



37.7161, 40.8380, 28.8163



34.8614, 40.8380, 31.9129

Triad

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



37.7161, 40.8380, 28.8163



34.1410, 40.8380, 57.2593



45.1136, 40.8380, 50.9877

Complementary

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



37.7161, 40.8380, 28.8163



27.8012, 27.7509, 46.5392

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.



43.0574, 40.8380, 59.9417



37.7161, 40.8380, 28.8163



36.6814, 40.8380, 63.9043

Square

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



37.7161, 40.8380, 28.8163



32.8763, 40.8380, 47.7202



39.9356, 40.8380, 64.9503



45.4296, 40.8380, 41.3626

Rectangle

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



37.7161, 40.8380, 28.8163



33.5557, 40.8380, 35.9646



39.9356, 40.8380, 64.9503



44.5977, 40.8380, 54.2106

Sweetspot

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



37.7172, 40.8398, 28.8172



73.8134, 78.4096, 76.0788



32.1623, 28.8752, 29.6014



16.3021, 17.3302, 16.6498



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



37.7172, 40.8398, 28.8172



66.0132, 71.7699, 45.8544



35.8723, 41.9178, 29.1225



9.0797, 9.6720, 9.0408



20.9441, 22.3868, 3.2172



0.6898, 0.7659, 0.1115

Inverse Universe

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



27.8012, 27.7509, 46.5392



45.4576, 44.6397, 82.6016



29.3175, 27.0356, 46.3212



8.1475, 8.4412, 10.7062



6.0832, 2.9667, 30.3890



0.2249, 0.1604, 0.9673

Previews

White Background



This preview shows how the XYZ color 37.7161, 40.8380, 28.8163 looks on a white background.

Color Contrast Check

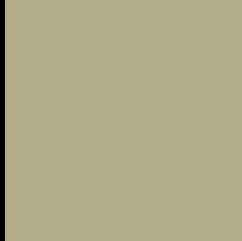
Large Text (above 18pt) WCAG AA × Fail

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 37.7161, 40.8380, 28.8163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

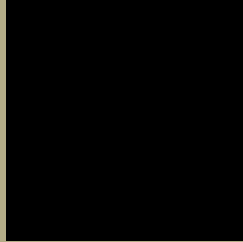
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.7161, 40.8380, 28.8163

Background



This preview shows how black text looks on a background with the XYZ color 37.7161, 40.8380, 28.8163.



This preview shows how white text looks on a background with the XYZ color 37.7161, 40.8380,

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

37.7161, 40.8380, 28.8163

Protanopia

38.2275, 40.8202, 28.7859

Deuteranopia

41.6102, 40.6364, 29.3174



Tritanopia

41.7805, 40.8414, 48.3289

Trichromacy



Original Color

37.7161, 40.8380, 28.8163

Protanomaly

37.9921, 40.6988, 28.7749

Deuteranomaly

40.0009, 40.6215, 29.0250

Tritanomaly

40.1419, 40.7169, 40.3938

Monochromacy



Original Color

37.7161, 40.8380, 28.8163

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.8823, 40.4444, 37.7082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7161, 40.8380, 28.8163 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(179, 172, 135)` looks like.

```
.text, #text, p{  
    color:rgb(179, 172, 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(179, 172, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 172, 135) }
```

Border

The CSS property to change the border of an element to XYZ 37.7161, 40.8380, 28.8163 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(179, 172, 135) }
```


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

```
.border{ border-color:rgb(179, 172, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 172, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 172, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 172, 135);  
box-shadow:4px 4px 4px 4px rgb(179, 172,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7161, 40.8380, 28.8163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 172, 135) }
```

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

```
.background{ background-color: rgb(179,  
172, 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](#).

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