

Converting Colors

XYZ(37.6813, 40.3472, 27.9948)

Have a look what the booklet for
XYZ(37.6813, 40.3472, 27.9948)
contains.

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Color

**XYZ(37.6644, 40.2667,
27.9774)**

Conversions

Conversions Part 1

Format	Color
Hex	B5AA85
RGB	181, 170, 133
RGB Percent	71%, 67%, 52%
CMY	0.2902, 0.3333, 0.4784
CMYK	0.00, 0.06, 0.27, 0.29
HSL	46°, 24%, 62%
HSV	46°, 27%, 71%
XYZ	37.6644, 40.2667, 27.9774
YIQ	169.0710, 18.4330, -9.1750

Conversions

Conversions Part 2

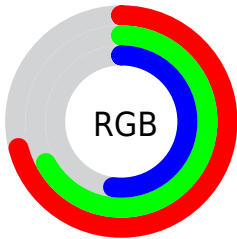
Format	Color
R_{YB}	147, 181, 133
Decimal	11905669
CIE _{Lab}	69.66, -1.97, 20.54
CIE _{LCh}	70, 20.633, 95.466
Yxy	40.2667, 0.3556, 0.3802
Android (android.graphics.Color)	4290095749 (0xFFB5AA85)
YUV	169.0710, -17.7830, 10.4617
Hunter-Lab	63.4560, -5.0992, 18.2786

Details

The XYZ color **37.6644, 40.2667, 27.9774** is a light color, and the websafe version is hex **999966**. A complement of this color would be **27.9864, 28.2684, 47.6974**, and the grayscale version is **37.8269, 39.7969, 43.3388**.

A 20% lighter version of the original color is **70.7132, 75.4001, 57.2811**, and **16.9419, 18.1706, 10.7980** is the 20% darker color. If you saturate the color by 10%, you get **35.7554, 38.2803, 21.6943**, and if you desaturate by 10%, it is **39.8155, 42.3919, 35.4053**.

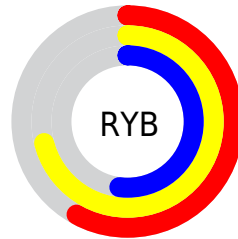
Distribution



Red (71%)

Green (67%)

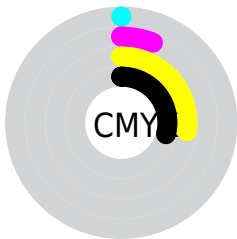
Blue (52%)



Red (58%)

Yellow (71%)

Blue (52%)

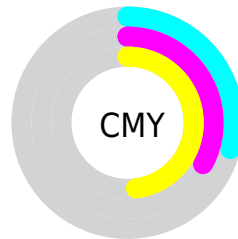


Cyan (0%)

Magenta (6%)

Yellow (27%)

Black (29%)



Cyan (29%)

Magenta (33%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.6644, 40.2667, 27.9774 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 37.6644, 40.2667, 27.9774 by changing the saturation by 10% instead.


 37.6644, 40.2667,
27.9774


 37.6644, 40.2667,
27.9774


327.4839,
347.2464, 306.2674


 25.8984, 27.7465,
18.0697


 70.9007, 75.5695,
57.4710

 16.8799, 18.1347,
10.8301


 93.1016, 99.1209,
77.8941

 10.2437, 11.0467,
5.8400

 119.5116,
127.1181, 102.6593

 5.6243, 6.0983,
2.6808

150.4959,
159.9457, 132.1853

 2.6565, 2.9049,
0.9337

186.4199,
197.9879, 166.8905

 0.9748, 1.0823,
0.0000

227.6491,

 0.0000, 0.0000,

241.6291, 207.1936

0.0000

274.5486,
291.2538, 253.5131

■ 37.6644, 40.2667,
27.9774

■ 37.6644, 40.2667,
27.9774

■ 35.7554, 38.2803,
21.6943

■ 39.8155, 42.3919,
35.4053

■ 34.0742, 36.4225,
16.4951

■ 42.2161, 44.6552,
44.0296

■ 32.6095, 34.6899,
12.3174

■ 44.8770, 47.0624,
53.9018

■ 31.3477, 33.0765,
9.0910

■ 47.8075, 49.6178,
65.0695

■ 30.2738, 31.5761,
6.7370

■ 51.0164, 52.3252,
77.5780

■ 29.3700, 30.1811,
5.1638

■ 54.5120, 55.1882,
91.4702

■ 28.6127, 28.8817,
4.2476

■ 57.5361, 57.9038,
102.7518

■ 28.3667, 28.4451,
3.9954

■ 58.5033, 59.8383,
103.0742

■ 59.4968, 61.8252,
103.4054

Harmonies

Analogous

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



40.9989, 40.2667, 29.1615



37.6644, 40.2667, 27.9774



34.6689, 40.2667, 30.5156

Triad

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



37.6644, 40.2667, 27.9774



33.2807, 40.2667, 55.3930



44.4110, 40.2667, 51.9251

Complementary

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



37.6644, 40.2667, 27.9774



27.9864, 28.2684, 47.6974

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.



42.1171, 40.2667, 60.5775



37.6644, 40.2667, 27.9774



35.6693, 40.2667, 62.7748

Square

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



37.6644, 40.2667, 27.9774



32.2339, 40.2667, 45.6172



38.8867, 40.2667, 64.7976



45.0213, 40.2667, 42.1165

Rectangle

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



37.6644, 40.2667, 27.9774



33.2262, 40.2667, 34.2296



38.8867, 40.2667, 64.7976



43.8050, 40.2667, 55.1076

Sweetspot

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



37.6654, 40.2685, 27.9782



74.8826, 79.3045, 76.2125



32.4932, 28.6190, 30.2777



16.0424, 17.0078, 15.9560



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.



37.6654, 40.2685, 27.9782



65.3498, 69.9494, 43.0989



36.9488, 43.0881, 28.5603



9.0287, 9.5700, 9.0238



19.6096, 19.7178, 2.7724



0.6575, 0.7014, 0.1007

Inverse Universe

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



27.9864, 28.2684, 47.6974



45.0086, 44.7359, 84.5573



28.5470, 26.2044, 47.2695



8.1947, 8.5356, 10.7220



6.3522, 3.5048, 30.4787



0.2443, 0.1992, 0.9738

Previews

White Background



This preview shows how the XYZ color 37.6644, 40.2667, 27.9774 looks on a white background.

Color Contrast Check

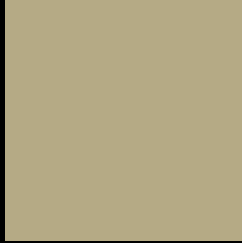
Large Text (above 18pt) WCAG AA × Fail

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 37.6644, 40.2667, 27.9774 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

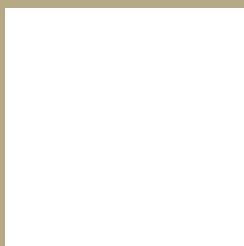
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.6644, 40.2667, 27.9774

Background



This preview shows how black text looks on a background with the XYZ color 37.6644, 40.2667, 27.9774.



This preview shows how white text looks on a background with the XYZ color 37.6644, 40.2667,

27.9774.

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

37.6644, 40.2667, 27.9774

Protanopia

37.6644, 40.2667, 27.9774

Deuteranopia

40.9535, 40.0577, 28.1277



Tritanopia

41.4610, 40.1643, 47.1622

Trichromacy



Original Color

37.6644, 40.2667, 27.9774

Protanomaly

37.6644, 40.2667, 27.9774

Deuteranomaly

39.6775, 40.2001, 28.2224

Tritanomaly

39.8364, 40.0360, 39.3463

Monochromacy



Original Color

37.6644, 40.2667, 27.9774

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.4223, 39.6605, 37.1354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6644, 40.2667, 27.9774 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(181, 170, 133)` looks like.

```
.text, #text, p{  
    color:rgb(181, 170, 133)  
}
```

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(181, 170, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 170, 133) }
```

Border

The CSS property to change the border of an element to XYZ 37.6644, 40.2667, 27.9774 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(181, 170, 133) }
```


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

```
.border{ border-color:rgb(181, 170, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 170, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 170, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 170, 133);  
box-shadow:4px 4px 4px 4px rgb(181, 170,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6644, 40.2667, 27.9774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 170, 133) }
```

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

```
.background{ background-color: rgb(181,  
170, 133) }
```

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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