

Converting Colors

XYZ(37.6608, 41.6432, 40.5220)

Have a look what the booklet for
XYZ(37.6608, 41.6432, 40.5220)
contains.

XYZ(37.6532, 41.6943, 40.7136)	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(37.6532, 41.6943,
40.7136)**

Conversions

Conversions Part 1

Format	Color
Hex	A5B0A3
RGB	165, 176, 163
RGB Percent	65%, 69%, 64%
CMY	0.3529, 0.3098, 0.3608
CMYK	0.06, 0.00, 0.07, 0.31
HSL	111°, 8%, 66%
HSV	111°, 7%, 69%
XYZ	37.6532, 41.6943, 40.7136
YIQ	171.2290, -2.3830, -6.3750

Conversions

Conversions Part 2

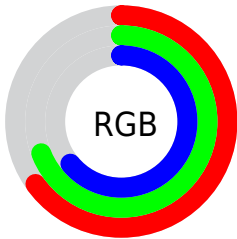
Format	Color
RYB	163, 176, 174
Decimal	10858659
CIELab	70.66, -6.31, 5.33
CIELCh	71, 8.261, 139.850
Yxy	41.6943, 0.3136, 0.3473
Android (android.graphics.Color)	4289048739 (0xFFA5B0A3)
YUV	171.2290, -4.0569, -5.4628
Hunter-Lab	64.5711, -8.9112, 7.8161

Details

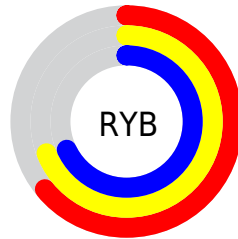
The XYZ color **37.6532, 41.6943, 40.7136** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.3909, 38.3288, 46.4512**, and the grayscale version is **38.8453, 40.8683, 44.5056**.

A 20% lighter version of the original color is **71.0267, 77.9908, 77.6399**, and **16.8869, 19.0737, 17.8305** is the 20% darker color. If you saturate the color by 10%, you get **33.2654, 39.6032, 32.8413**, and if you desaturate by 10%, it is **42.6237, 44.0628, 49.7606**.

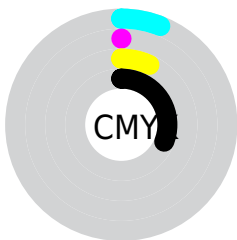
Distribution



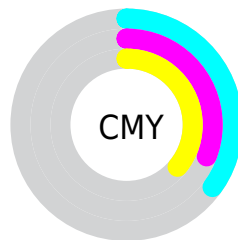
- Red (65%)
- Green (69%)
- Blue (64%)



- Red (64%)
- Yellow (69%)
- Blue (68%)



- Cyan (6%)
- Magenta (0%)
- Yellow (7%)
- Black (31%)



- Cyan (35%)
- Magenta (31%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6532, 41.6943, 40.7136 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 37.6532, 41.6943, 40.7136 by changing the saturation by 10% instead.

■ 37.6532, 41.6943,
40.7136

■ 37.6532, 41.6943,
40.7136

327.4366,
353.2141, 364.7633

■ 25.8896, 28.8620,
27.7774

■ 70.8836, 77.7368,
77.4979

■ 16.8733, 18.9764,
17.9203

■ 93.0811, 101.7157,
102.1830

■ 10.2390, 11.6533,
10.7239

119.4874,
130.1790, 131.6215

■ 5.6212, 6.5080,
5.7697

150.4677,
163.5110, 166.2319

■ 2.6546, 3.1564,
2.6390

186.3874,
202.0961, 206.4327

■ 0.9738, 1.2139,
0.9125

227.6119,

■ 0.0000, 0.0730,

246.3187, 252.6425

0.0000

274.5065,
296.5633, 305.2799

0.0000, 0.0000,
0.0000

37.6532, 41.6943,
40.7136

37.6532, 41.6943,
40.7136

33.2654, 39.6032,
32.8413

42.6237, 44.0628,
49.7606

29.4353, 37.7741,
26.0930

48.1936, 46.7128,
60.0248

26.1417, 36.1984,
20.4182

54.3832, 49.6550,
71.5501

23.3601, 34.8646,
15.7615

61.2111, 52.8980,
84.3771

21.0645, 33.7607,
12.0627

68.6947, 56.4501,
98.5449

■ 19.2265, 32.8734,
9.2551

■ 74.5824, 59.4118,
102.1444

■ 17.8145, 32.1881,
7.2636

■ 74.8161, 59.5323,
102.1554

■ 16.7929, 31.6883,
6.0005

■ 16.1151, 31.3530,
5.3344

Harmonies

Analogous

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



38.7431, 41.6943, 38.6771



37.6532, 41.6943, 40.7136



37.0969, 41.6943, 44.0839

Triad

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



37.6532, 41.6943, 40.7136



39.1676, 41.6943, 53.2212



42.1541, 41.6943, 42.8888

Complementary

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



37.6532, 41.6943, 40.7136



38.3909, 38.3288, 46.4512

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.



42.2741, 41.6943, 46.7380



37.6532, 41.6943, 40.7136



40.5287, 41.6943, 52.8556

Square

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



37.6532, 41.6943, 40.7136



37.9579, 41.6943, 51.4005



41.6731, 41.6943, 50.4286



41.3489, 41.6943, 39.8820

Rectangle

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



37.6532, 41.6943, 40.7136



37.0946, 41.6943, 46.6984



41.6731, 41.6943, 50.4286



42.2766, 41.6943, 44.1220

Sweetspot

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



37.6544, 41.6961, 40.7145



72.9799, 77.8538, 82.3506



39.6210, 42.0841, 40.6858



15.8377, 16.8825, 17.8863



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.



37.6544, 41.6961, 40.7145



66.8048, 74.9117, 71.1595



37.6368, 41.6414, 42.7760



8.5067, 9.5507, 9.0477



11.7568, 22.9709, 3.8142



0.4075, 0.7421, 0.1218

Inverse Universe

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



38.3909, 38.3288, 46.4512



68.4409, 67.4311, 83.9036



38.4176, 38.3913, 44.2491



8.7191, 8.5792, 10.7027



14.8748, 7.0040, 30.7049



0.5026, 0.2382, 0.9677

Previews

White Background



This preview shows how the XYZ color 37.6532, 41.6943, 40.7136 looks on a white background.

Color Contrast Check

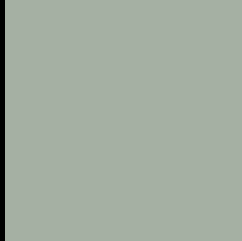
Large Text (above 18pt) WCAG AA × Fail

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 37.6532, 41.6943, 40.7136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

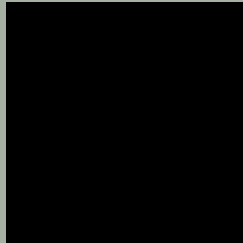
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

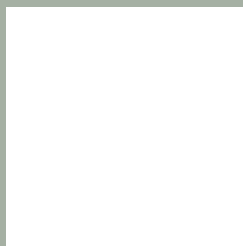
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.6532, 41.6943, 40.7136

Background



This preview shows how black text looks on a background with the XYZ color 37.6532, 41.6943, 40.7136.



This preview shows how white text looks on a background with the XYZ color 37.6532, 41.6943,

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

37.6532, 41.6943, 40.7136

Protanopia

39.7760, 41.6620, 39.6634

Deuteranopia

42.3485, 41.5605, 41.3873



Tritanopia

40.1687, 41.8673, 52.4185

Trichromacy



Original Color

37.6532, 41.6943, 40.7136

Protanomaly

38.9207, 41.4944, 40.1403

Deuteranomaly

40.3670, 41.3749, 40.9805

Tritanomaly

39.3204, 41.8113, 48.1175

Monochromacy



Original Color

37.6532, 41.6943, 40.7136

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.3736, 41.1493, 42.9659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6532, 41.6943, 40.7136 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(165, 176, 163)` looks like.

```
.text, #text, p{  
    color:rgb(165, 176, 163)  
}
```

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(165, 176, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 176, 163) }
```

Border

The CSS property to change the border of an element to XYZ 37.6532, 41.6943, 40.7136 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(165, 176, 163) }
```


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

```
.border{ border-color:rgb(165, 176, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 176, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 176, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 176, 163);  
box-shadow:4px 4px 4px 4px rgb(165, 176,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6532, 41.6943, 40.7136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 176, 163) }
```

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

```
.background{ background-color: rgb(165,  
176, 163) }
```

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