

Converting Colors

XYZ(29.7757, 37.0034, 40.1307)

Have a look what the booklet for
XYZ(29.7757, 37.0034, 40.1307)
contains.

XYZ(29.7730, 37.0540, 40.2333)	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(29.7730, 37.0540,
40.2333)**

Conversions

Conversions Part 1

Format	Color
Hex	7AAEA3
RGB	122, 174, 163
RGB Percent	48%, 68%, 64%
CMY	0.5216, 0.3176, 0.3608
CMYK	0.30, 0.00, 0.06, 0.32
HSL	167°, 24%, 58%
HSV	167°, 30%, 68%
XYZ	29.7730, 37.0540, 40.2333
YIQ	157.1980, -27.4610, -14.4450

Conversions

Conversions Part 2

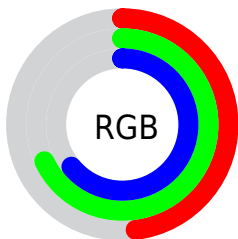
Format	Color
RYB	122, 151, 174
Decimal	8040099
CIELab	67.32, -19.56, 0.13
CIElCh	67, 19.556, 179.609
Yxy	37.0540, 0.2781, 0.3461
Android (android.graphics.Color)	4286230179 (0xFF7AAEA3)
YUV	157.1980, 2.8604, -30.8686
Hunter-Lab	60.8720, -19.2202, 3.4227

Details

The XYZ color **29.7730, 37.0540, 40.2333** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.6501, 24.6123, 25.4325**, and the grayscale version is **32.1342, 33.8077, 36.8165**.

A 20% lighter version of the original color is **58.8562, 70.8857, 76.9099**, and **12.3051, 16.1620, 17.5100** is the 20% darker color. If you saturate the color by 10%, you get **27.2016, 35.7669, 38.4167**, and if you desaturate by 10%, it is **32.7973, 38.5754, 42.1228**.

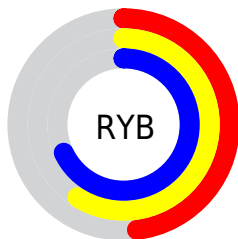
Distribution



Red (48%)

Green (68%)

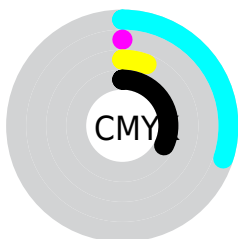
Blue (64%)



Red (48%)

Yellow (59%)

Blue (68%)

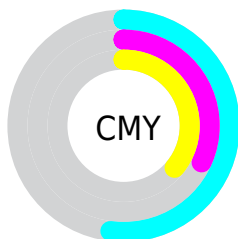


Cyan (30%)

Magenta (0%)

Yellow (6%)

Black (32%)



Cyan (52%)

Magenta (32%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7730, 37.0540, 40.2333 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 29.7730, 37.0540, 40.2333 by changing the saturation by 10% instead.

■ 29.7730, 37.0540,
40.2333

■ 29.7730, 37.0540,
40.2333

292.7738,
333.5443, 362.6872

■ 19.8136, 25.2493,
27.4053

■ 58.6921, 70.6558,
76.7596

■ 12.3671, 16.2629,
17.6427

■ 78.3825, 93.2218,
101.2950

■ 7.0682, 9.7104,
10.5270

■ 102.0472,
120.1435, 130.5700

■ 3.5515, 5.2074,
5.6396

130.0517,
151.8056, 165.0031

■ 1.4517, 2.3694,
2.5620

162.7612,
188.5923, 205.0128

■ 0.2926, 0.8101,
0.8727

200.5412,

■ 0.0000, 0.0000,

230.8880, 251.0177

0.0000

243.7569,
279.0772, 303.4363

■ 29.7730, 37.0540,
40.2333

■ 29.7730, 37.0540,
40.2333

■ 27.2016, 35.7669,
38.4167

■ 32.7973, 38.5754,
42.1228

■ 25.0562, 34.6974,
36.6689

■ 36.2931, 40.3378,
44.0842

■ 23.3122, 33.8337,
34.9892

■ 40.2820, 42.3532,
46.1196

■ 21.9407, 33.1610,
33.3758

■ 44.7832, 44.6316,
48.2303

■ 20.9094, 32.6625,
31.8268

■ 49.8148, 47.1823,
50.4177

■ 20.1800, 32.3186,
30.3399

■ 55.3941, 50.0142,
52.6828

■ 19.6712, 32.0874,
28.9108

■ 61.5377, 53.1357,
55.0269

■ 19.6656, 32.0849,
28.8946

■ 65.9414, 55.3592,
57.3425

■ 66.3558, 55.5250,
59.5247

Harmonies

Analogous

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



30.4853, 37.0540, 32.5706



29.7730, 37.0540, 40.2333



30.4497, 37.0540, 49.0467

Triad

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



29.7730, 37.0540, 40.2333



38.1386, 37.0540, 56.4337



38.2103, 37.0540, 27.7359

Complementary

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



29.7730, 37.0540, 40.2333



28.6501, 24.6123, 25.4325

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.



40.4614, 37.0540, 32.7396



29.7730, 37.0540, 40.2333



40.4184, 37.0540, 49.2686

Square

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



29.7730, 37.0540, 40.2333



35.1795, 37.0540, 59.1674



41.2910, 37.0540, 40.4579



35.2579, 37.0540, 26.0097

Rectangle

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



29.7730, 37.0540, 40.2333



31.6205, 37.0540, 54.2417



41.2910, 37.0540, 40.4579



39.0800, 37.0540, 29.0518

Sweetspot

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



29.7741, 37.0555, 40.2341



66.3241, 73.4155, 80.2247



28.3651, 36.6871, 23.9995



14.5253, 16.2084, 17.7154



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.



29.7741, 37.0555, 40.2341



50.7673, 65.5895, 70.7380



28.1113, 32.0830, 44.7571



8.1627, 9.0426, 9.8816



14.2852, 23.2794, 21.0735



0.4154, 0.6548, 0.6808

Inverse Universe

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



28.6501, 24.6123, 25.4325



48.3953, 39.2771, 39.4623



29.8775, 28.2206, 22.2856



8.0720, 8.0421, 8.6900



12.9191, 6.6302, 1.9533



0.3788, 0.1922, 0.1566

Previews

White Background



This preview shows how the XYZ color 29.7730, 37.0540, 40.2333 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 29.7730, 37.0540, 40.2333 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

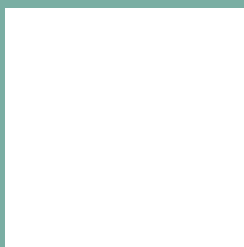
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7730, 37.0540, 40.2333

Background



This preview shows how black text looks on a background with the XYZ color 29.7730, 37.0540, 40.2333.



This preview shows how white text looks on a background with the XYZ color 29.7730, 37.0540,

40.2333.

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

29.7730, 37.0540, 40.2333

Protanopia

35.3314, 36.9535, 37.1689

Deuteranopia

37.4699, 36.6719, 41.1799



Tritanopia

32.0723, 37.1406, 51.3774

Trichromacy



Original Color

29.7730, 37.0540, 40.2333

Protanomaly

32.8392, 36.7199, 38.1577

Deuteranomaly

34.1675, 36.5366, 40.8488

Tritanomaly

31.1458, 37.0393, 47.1027

Monochromacy



Original Color

29.7730, 37.0540, 40.2333

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

30.8568, 34.6269, 37.8582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7730, 37.0540, 40.2333 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(122, 174, 163)` looks like.

```
.text, #text, p{  
    color:rgb(122, 174, 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(122, 174, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 174, 163) }
```

Border

The CSS property to change the border of an element to XYZ 29.7730, 37.0540, 40.2333 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(122, 174, 163) }
```


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

```
.border{ border-color:rgb(122, 174, 163) }
```

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

Here you see how a box with a 4 pixel rgb(122, 174, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 174, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 174, 163);  
box-shadow:4px 4px 4px 4px rgb(122, 174,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7730, 37.0540, 40.2333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 174, 163) }
```

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

```
.background{ background-color: rgb(122,  
174, 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