

Converting Colors

XYZ(37.4214, 37.2951, 46.8751)

Have a look what the booklet for
XYZ(37.4214, 37.2951, 46.8751)
contains.

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Color

**XYZ(37.4753, 37.3220,
46.8237)**

Conversions

Conversions Part 1

Format	Color
Hex	ABA1B1
RGB	171, 161, 177
RGB Percent	67%, 63%, 69%
CMY	0.3294, 0.3686, 0.3059
CMYK	0.03, 0.09, 0.00, 0.31
HSL	277°, 9%, 66%
HSV	277°, 9%, 69%
XYZ	37.4753, 37.3220, 46.8237
YIQ	165.8140, 0.8240, 7.0960

Conversions

Conversions Part 2

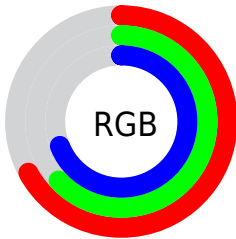
Format	Color
R_{YB}	171, 161, 177
Decimal	11248049
CIE Lab	67.52, 6.65, -6.96
CIE LCh	68, 9.628, 313.668
Yxy	37.3220, 0.3081, 0.3069
Android (android.graphics.Color)	4289438129 (0xFFABA1B1)
YUV	165.8140, 5.5147, 4.5481
Hunter-Lab	61.0917, 2.5861, -2.6785

Details

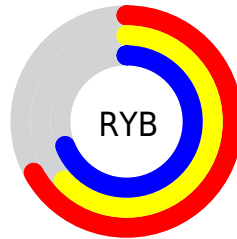
The XYZ color **37.4753, 37.3220, 46.8237** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.0929, 42.2340, 39.8643**, and the grayscale version is **36.1306, 38.0122, 41.3953**.

A 20% lighter version of the original color is **70.6279, 71.1637, 87.1043**, and **16.7145, 16.3145, 21.3368** is the 20% darker color. If you saturate the color by 10%, you get **33.1890, 30.8419, 45.7994**, and if you desaturate by 10%, it is **42.2743, 44.7185, 47.9990**.

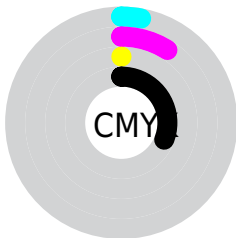
Distribution



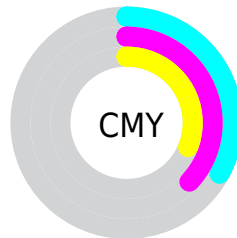
- Red (67%)
- Green (63%)
- Blue (69%)



- Red (67%)
- Yellow (63%)
- Blue (69%)



- Cyan (3%)
- Magenta (9%)
- Yellow (0%)
- Black (31%)



- Cyan (33%)
- Magenta (37%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4753, 37.3220, 46.8237 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 37.4753, 37.3220, 46.8237 by changing the saturation by 10% instead.

■ 37.4753, 37.3220,
46.8237

■ 37.4753, 37.3220,
46.8237

326.6837,
334.7025, 390.4837

■ 25.7511, 25.4569,
32.5430

■ 70.6123, 71.0677,
86.7976

■ 16.7692, 16.4178,
21.5083

■ 92.7558, 93.7172,
113.3279

■ 10.1644, 9.8203,
13.3012

119.1030,
120.7302, 144.7784

■ 5.5712, 5.2800,
7.5031

150.0194,
152.4911, 181.5677

■ 2.6243, 2.4124,
3.6955

185.8704,
189.3845, 224.1144

■ 0.9583, 0.8323,
1.4598

227.0211,

■ 0.0000, 0.0000,

231.7945, 272.8369

0.1877

273.8371,
280.1058, 328.1538

■ 0.0000, 0.0000,
0.0000

■ 37.4753, 37.3220,
46.8237

■ 37.4753, 37.3220,
46.8237

■ 33.1890, 30.8419,
45.7994

■ 42.2743, 44.7185,
47.9990

■ 29.3927, 25.2362,
44.9175

■ 47.6010, 53.0616,
49.3286

■ 26.0668, 20.4668,
44.1722

■ 53.4738, 62.3859,
50.8189

■ 23.1893, 16.4908,
43.5564

■ 59.9091, 72.7229,
52.4749

■ 20.7357, 13.2615,
43.0624

■ 66.9227, 84.1028,
54.3018

■ 18.6794, 10.7271,
42.6816

■ 70.5117, 88.5184,
54.9650

■ 16.9901, 8.8288,
42.4042

■ 72.4512, 89.5182,
55.0557

■ 15.6325, 7.4980,
42.2189

■ 74.4700, 90.5590,
55.1502

■ 14.5422, 6.6075,
42.1045

■ 76.5693, 91.6412,
55.2485

Harmonies

Analogous

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



36.1503, 37.3220, 49.0840



37.4753, 37.3220, 46.8237



38.2756, 37.3220, 42.9730

Triad

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



37.4753, 37.3220, 46.8237



36.2799, 37.3220, 33.3058



32.7790, 37.3220, 42.5941

Complementary

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



37.4753, 37.3220, 46.8237



38.0929, 42.2340, 39.8643

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.



32.8115, 37.3220, 38.3878



37.4753, 37.3220, 46.8237



34.8051, 37.3220, 33.2199

Square

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



37.4753, 37.3220, 46.8237



37.5724, 37.3220, 35.2646



33.5442, 37.3220, 35.0213



33.4541, 37.3220, 46.5298

Rectangle

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



37.4753, 37.3220, 46.8237



38.3905, 37.3220, 40.1180



33.5442, 37.3220, 35.0213



32.7081, 37.3220, 41.1610

Sweetspot

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



37.4764, 37.3236, 46.8245



72.1503, 74.5725, 85.0865



36.4784, 38.4392, 47.0925



15.4871, 15.9311, 18.4031



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.



37.4764, 37.3236, 46.8245



65.3912, 64.2128, 83.4431



38.6284, 37.9388, 45.9139



8.5350, 8.4843, 10.6941



10.5335, 4.7660, 30.5017



0.3935, 0.1820, 0.9626

Inverse Universe

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



37.8527, 37.6285, 41.8290



66.2287, 64.8883, 72.4671



37.0204, 41.6619, 40.6798



8.6238, 8.5562, 9.5174



13.8850, 7.0715, 4.5542



0.4657, 0.2340, 0.2953

Previews

White Background



This preview shows how the XYZ color 37.4753, 37.3220, 46.8237 looks on a white background.

Color Contrast Check

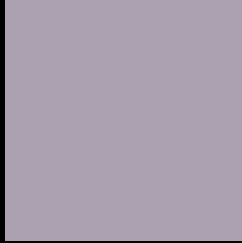
Large Text (above 18pt) WCAG AA × Fail

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 37.4753, 37.3220, 46.8237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

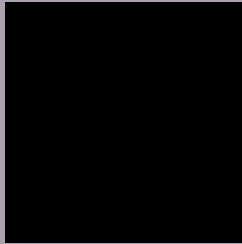
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.4753, 37.3220, 46.8237

Background



This preview shows how black text looks on a background with the XYZ color 37.4753, 37.3220, 46.8237.



This preview shows how white text looks on a background with the XYZ color 37.4753, 37.3220,

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

37.4753, 37.3220, 46.8237

Protanopia

36.2373, 37.1953, 47.3890

Deuteranopia

38.1858, 37.4299, 46.8071



Tritanopia

37.1794, 37.2037, 45.2659

Trichromacy



Original Color

37.4753, 37.3220, 46.8237

Protanomaly

36.6821, 37.1620, 47.3591

Deuteranomaly

37.9622, 37.3146, 46.7966

Tritanomaly

37.2773, 37.2428, 45.7813

Monochromacy



Original Color

37.4753, 37.3220, 46.8237

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.6796, 37.7780, 43.3889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4753, 37.3220, 46.8237 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(171, 161, 177)` looks like.

```
.text, #text, p{  
    color:rgb(171, 161, 177)  
}
```

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(171, 161, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 161, 177) }
```

Border

The CSS property to change the border of an element to XYZ 37.4753, 37.3220, 46.8237 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(171, 161, 177) }
```


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

```
.border{ border-color:rgb(171, 161, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 161, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 161, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 161, 177);  
box-shadow:4px 4px 4px 4px rgb(171, 161,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4753, 37.3220, 46.8237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 161, 177) }
```

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

```
.background{ background-color: rgb(171,  
161, 177) }
```

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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