

Converting Colors

XYZ(42.1311, 47.1210, 37.0117)

Have a look what the booklet for
XYZ(42.1311, 47.1210, 37.0117)
contains.

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Color

**XYZ(42.1311, 47.1210,
37.0117)**

Conversions

Conversions Part 1

Format	Color
Hex	B4BA99
RGB	180, 186, 153
RGB Percent	71%, 73%, 60%
CMY	0.2941, 0.2706, 0.4000
CMYK	0.03, 0.00, 0.18, 0.27
HSL	71°, 19%, 66%
HSV	71°, 18%, 73%
XYZ	42.1311, 47.1210, 37.0117
YIQ	180.4440, 7.0170, -11.5350

Conversions

Conversions Part 2

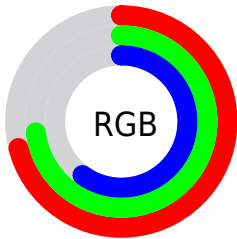
Format	Color
RYB	153, 186, 159
Decimal	11844249
CIELab	74.27, -7.85, 16.05
CIELCh	74, 17.869, 116.054
Yxy	47.1210, 0.3337, 0.3732
Android (android.graphics.Color)	4290034329 (0xFFB4BA99)
YUV	180.4440, -13.5299, -0.3894
Hunter-Lab	68.6447, -10.5729, 16.0835

Details

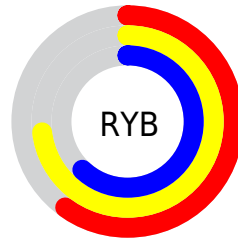
The XYZ color **42.1311, 47.1210, 37.0117** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **34.5540, 33.6998, 51.1404**, and the grayscale version is **43.6900, 45.9653, 50.0562**.

A 20% lighter version of the original color is **77.6067, 85.8421, 71.5104**, and **19.5382, 22.2464, 15.8346** is the 20% darker color. If you saturate the color by 10%, you get **39.9354, 46.1544, 29.5051**, and if you desaturate by 10%, it is **44.5881, 48.1975, 45.7826**.

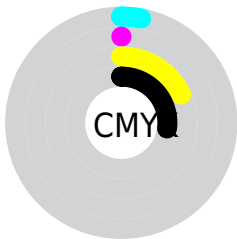
Distribution



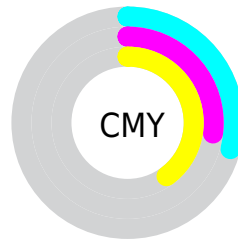
- Red (71%)
- Green (73%)
- Blue (60%)



- Red (60%)
- Yellow (73%)
- Blue (62%)



- Cyan (3%)
- Magenta (0%)
- Yellow (18%)
- Black (27%)





- Cyan (29%)
- Magenta (27%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.1311, 47.1210, 37.0117 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 42.1311, 47.1210, 37.0117 by changing the saturation by 10% instead.


 42.1311, 47.1210,
37.0117


 42.1311, 47.1210,
37.0117


346.0085,
375.2973, 348.5314

 29.3955, 33.1313,
24.9207

 77.6619, 85.8942,
71.7773

 19.5260, 22.2271,
15.7995


 101.1879,
111.4465, 95.2890

 12.1572, 14.0238,
9.2296


129.0413,
141.6219, 123.4446

 6.9238, 8.1372,
4.7924

161.5876,
176.8046, 156.6628

 3.4604, 4.1829,
2.0694

199.1921,
217.3791, 195.3620

 1.4017, 1.7764,
0.5974

242.2202,

 0.2574, 0.4724,

263.7298, 239.9608

0.0000

291.0372,
316.2411, 290.8778

■ 0.0000, 0.0000,
0.0000

■ 42.1311, 47.1210,
37.0117

■ 42.1311, 47.1210,
37.0117

■ 39.9354, 46.1544,
29.5051

■ 44.5881, 48.1975,
45.7826

■ 37.9859, 45.2869,
23.2014

■ 47.3131, 49.3818,
55.8693

■ 36.2720, 44.5159,
18.0389

■ 50.3172, 50.6801,
67.3240

■ 34.7804, 43.8359,
13.9490

■ 53.6098, 52.0960,
80.1953

■ 33.4967, 43.2412,
10.8558

■ 57.1997, 53.6331,
94.5293

■ 32.4042, 42.7252,
8.6734

■ 59.5102, 54.6608,
102.0218

■ 31.4839, 42.2802,
7.3016

■ 60.4258, 55.1328,
102.0647

■ 30.7069, 41.8946,
6.5886

■ 61.3615, 55.6152,
102.1084

■ 30.5403, 41.8114,
6.4608

■ 62.3175, 56.1080,
102.1532

Harmonies

Analogous

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



45.2130, 47.1210, 35.6187



42.1311, 47.1210, 37.0117



39.8607, 47.1210, 42.0577

Triad

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



42.1311, 47.1210, 37.0117



41.4290, 47.1210, 67.4078



51.2295, 47.1210, 52.5324

Complementary

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



42.1311, 47.1210, 37.0117



34.5540, 33.6998, 51.1404

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.



50.1036, 47.1210, 61.8212



42.1311, 47.1210, 37.0117



44.3638, 47.1210, 71.0336

Square

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



42.1311, 47.1210, 37.0117



39.4691, 47.1210, 59.4669



47.5524, 47.1210, 68.8770



50.5625, 47.1210, 43.9295

Rectangle

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



42.1311, 47.1210, 37.0117



39.0613, 47.1210, 47.1645



47.5524, 47.1210, 68.8770



51.0468, 47.1210, 55.6847

Sweetspot

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



42.1323, 47.1231, 37.0127



82.0798, 87.9075, 87.6060



38.3134, 37.3650, 35.3305



18.0006, 19.3262, 19.0181



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



42.1323, 47.1231, 37.0127



74.8751, 84.7543, 61.9212



38.6201, 45.3124, 36.8483



9.5857, 10.4186, 9.6127



20.6033, 28.1577, 4.3491



0.7686, 1.0144, 0.1553

Inverse Universe

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



34.5540, 33.6998, 51.1404



58.7663, 56.2188, 91.9554



37.9349, 35.4427, 51.2986



8.6695, 8.7960, 11.3203



6.4497, 2.6362, 31.4220



0.2741, 0.1170, 1.1099

Previews

White Background



This preview shows how the XYZ color 42.1311, 47.1210, 37.0117 looks on a white background.

Color Contrast Check

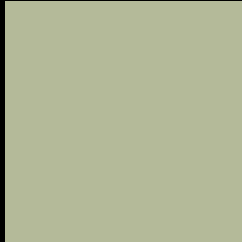
Large Text (above 18pt) WCAG AA × Fail

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 42.1311, 47.1210, 37.0117 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

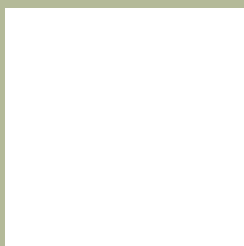
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.1311, 47.1210, 37.0117

Background



This preview shows how black text looks on a background with the XYZ color 42.1311, 47.1210, 37.0117.



This preview shows how white text looks on a background with the XYZ color 42.1311, 47.1210,

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

42.1311, 47.1210, 37.0117

Protanopia

44.3062, 47.0277, 36.0202

Deuteranopia

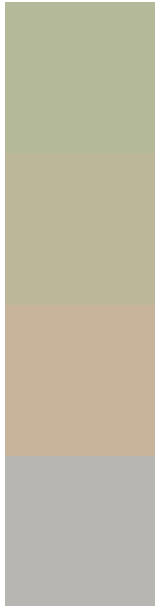
48.0201, 47.1189, 37.5743



Tritanopia

46.3086, 46.9767, 57.6656

Trichromacy



Original Color

42.1311, 47.1210, 37.0117

Protanomaly

43.3400, 46.8253, 36.4597

Deuteranomaly

45.7072, 47.1177, 37.2575

Tritanomaly

44.6318, 46.9009, 49.3483

Monochromacy



Original Color

42.1311, 47.1210, 37.0117

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.8060, 46.0615, 44.6648

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1311, 47.1210, 37.0117 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(180, 186, 153)` looks like.

```
.text, #text, p{  
    color:rgb(180, 186, 153)  
}
```

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(180, 186, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 186, 153) }
```

Border

The CSS property to change the border of an element to XYZ 42.1311, 47.1210, 37.0117 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(180, 186, 153) }
```


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

```
.border{ border-color:rgb(180, 186, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 186, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 186, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 186, 153);  
box-shadow:4px 4px 4px 4px rgb(180, 186,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1311, 47.1210, 37.0117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 186, 153) }
```

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

```
.background{ background-color: rgb(180,  
186, 153) }
```

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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