

Converting Colors

XYZ(42.9110, 47.4402, 40.8002)

Have a look what the booklet for
XYZ(42.9110, 47.4402, 40.8002)
contains.

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Color

**XYZ(42.8143, 47.3943,
40.6097)**

Conversions

Conversions Part 1

Format	Color
Hex	B4BAA1
RGB	180, 186, 161
RGB Percent	71%, 73%, 63%
CMY	0.2941, 0.2706, 0.3686
CMYK	0.03, 0.00, 0.13, 0.27
HSL	74°, 15%, 68%
HSV	74°, 13%, 73%
XYZ	42.8143, 47.3943, 40.6097
YIQ	181.3560, 4.4490, -9.0470

Conversions

Conversions Part 2

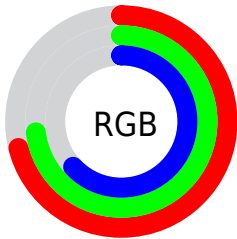
Format	Color
RYB	161, 186, 167
Decimal	11844257
CIELab	74.44, -6.55, 11.97
CIElCh	74, 13.644, 118.687
Yxy	47.3943, 0.3273, 0.3623
Android (android.graphics.Color)	4290034337 (0xFFB4BAA1)
YUV	181.3560, -10.0355, -1.1892
Hunter-Lab	68.8435, -9.4657, 13.2162

Details

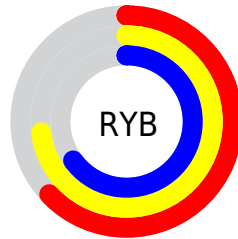
The XYZ color **42.8143, 47.3943, 40.6097** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.5460, 37.2517, 51.6683**, and the grayscale version is **44.1657, 46.4657, 50.6012**.

A 20% lighter version of the original color is **78.7389, 86.2950, 77.4724**, and **19.9002, 22.3912, 17.7411** is the 20% darker color. If you saturate the color by 10%, you get **40.2719, 46.2607, 32.5560**, and if you desaturate by 10%, it is **45.6368, 48.6469, 49.9522**.

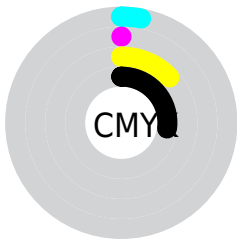
Distribution



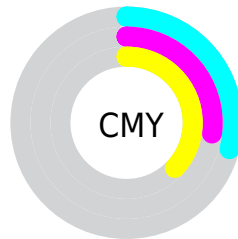
- Red (71%)
- Green (73%)
- Blue (63%)



- Red (63%)
- Yellow (73%)
- Blue (65%)



- Cyan (3%)
- Magenta (0%)
- Yellow (13%)
- Black (27%)



- Cyan (29%)
- Magenta (27%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8143, 47.3943, 40.6097 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 42.8143, 47.3943, 40.6097 by changing the saturation by 10% instead.

■ 42.8143, 47.3943,
40.6097

■ 42.8143, 47.3943,
40.6097

348.7820,
376.3862, 364.3149

■ 29.9333, 33.3475,
27.6968

■ 78.6880, 86.3019,
77.3383

■ 19.9358, 22.3928,
17.8602

■ 102.4115,
111.9314, 101.9911

■ 12.4564, 14.1458,
10.6813

130.4798,
142.1907, 131.3942

■ 7.1297, 8.2221,
5.7415

163.2584,
177.4640, 165.9664

■ 3.5904, 4.2374,
2.6223

201.1125,
218.1359, 206.1259

■ 1.4731, 1.8072,
0.9039

244.4076,

■ 0.3074, 0.4917,

264.5906, 252.2915

0.0000

293.5090,
317.2126, 304.8817

■ 0.0000, 0.0000,
0.0000

■ 42.8143, 47.3943,
40.6097

■ 42.8143, 47.3943,
40.6097

■ 40.2719, 46.2607,
32.5560

■ 45.6368, 48.6469,
49.9522

■ 37.9947, 45.2355,
25.7315

■ 48.7461, 50.0166,
60.6336

■ 35.9722, 44.3159,
20.0765

■ 52.1530, 51.5093,
72.7048

■ 34.1916, 43.4968,
15.5250

■ 55.8671, 53.1288,
86.2135

■ 32.6387, 42.7726,
12.0044

■ 59.8971, 54.8788,
101.2049

■ 31.2978, 42.1369,
9.4337

■ 61.2859, 55.5762,
102.1049

■ 30.1508, 41.5823,
7.7195

■ 62.5500, 56.2279,
102.1641

■ 29.1762, 41.1003,
6.7496

■ 63.8497, 56.8979,
102.2249

■ 28.6023, 40.8123,
6.3701

■ 65.1852, 57.5864,
102.2874

Harmonies

Analogous

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



45.1553, 47.3943, 39.2118



42.8143, 47.3943, 40.6097



41.1255, 47.3943, 44.8795

Triad

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



42.8143, 47.3943, 40.6097



42.6331, 47.3943, 64.0641



49.9430, 47.3943, 51.9153

Complementary

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



42.8143, 47.3943, 40.6097



37.5460, 37.2517, 51.6683

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.



49.2099, 47.3943, 58.9695



42.8143, 47.3943, 40.6097



44.9386, 47.3943, 66.3662

Square

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



42.8143, 47.3943, 40.6097



41.0236, 47.3943, 58.3838



47.3557, 47.3943, 64.4233



49.3249, 47.3943, 45.3711

Rectangle

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



42.8143, 47.3943, 40.6097



40.5662, 47.3943, 48.9924



47.3557, 47.3943, 64.4233



49.8459, 47.3943, 54.3075

Sweetspot

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



42.8156, 47.3964, 40.6107



82.3809, 88.0231, 89.4099



40.4726, 40.5902, 39.4205



18.0529, 19.3449, 19.3910



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.



42.8156, 47.3964, 40.6107



76.2502, 85.3024, 69.2527



40.0711, 45.9815, 40.4823



9.5338, 10.3918, 9.6102



19.3113, 27.4917, 4.2886



0.7324, 0.9958, 0.1536

Inverse Universe

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



37.5460, 37.2517, 51.6683



64.9182, 63.4853, 93.0337



40.2770, 38.6596, 51.7961



8.7177, 8.8208, 11.3226



6.7383, 2.7849, 31.4355



0.2945, 0.1275, 1.1108

Previews

White Background



This preview shows how the XYZ color 42.8143, 47.3943, 40.6097 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 42.8143, 47.3943, 40.6097 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

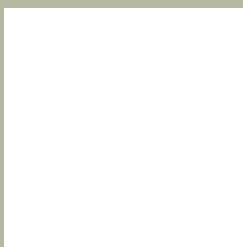
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.8143, 47.3943, 40.6097

Background



This preview shows how black text looks on a background with the XYZ color 42.8143, 47.3943, 40.6097.



This preview shows how white text looks on a background with the XYZ color 42.8143, 47.3943,

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

42.8143, 47.3943, 40.6097

Protanopia

44.7242, 47.1656, 39.5475

Deuteranopia

48.1486, 47.1049, 41.2048



Tritanopia

46.3818, 47.3022, 58.3154

Trichromacy



Original Color

42.8143, 47.3943, 40.6097

Protanomaly

44.0177, 47.0964, 40.0282

Deuteranomaly

46.1315, 47.2569, 40.8725

Tritanomaly

45.0092, 47.3531, 51.5676

Monochromacy



Original Color

42.8143, 47.3943, 40.6097

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.6295, 46.7467, 46.7679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8143, 47.3943, 40.6097 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, 161)` looks like.

```
.text, #text, p{  
    color:rgb(180, 186, 161)  
}
```

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, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 186, 161) }
```

Border

The CSS property to change the border of an element to XYZ 42.8143, 47.3943, 40.6097 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, 161) }
```


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

```
.border{ border-color:rgb(180, 186, 161) }
```

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, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 186, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 186, 161);  
box-shadow:4px 4px 4px 4px rgb(180, 186,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8143, 47.3943, 40.6097 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, 161) }
```

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

```
.background{ background-color: rgb(180,  
186, 161) }
```

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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