

Converting Colors

XYZ(40.9493, 47.4728, 42.0399)

Have a look what the booklet for
XYZ(40.9493, 47.4728, 42.0399)
contains.

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Color

**XYZ(40.8348, 47.2910,
42.0978)**

Conversions

Conversions Part 1

Format	Color
Hex	A7BDA4
RGB	167, 189, 164
RGB Percent	65%, 74%, 64%
CMY	0.3451, 0.2588, 0.3569
CMYK	0.12, 0.00, 0.13, 0.26
HSL	113°, 16%, 69%
HSV	113°, 13%, 74%
XYZ	40.8348, 47.2910, 42.0978
YIQ	179.5720, -5.0870, -12.4390

Conversions

Conversions Part 2

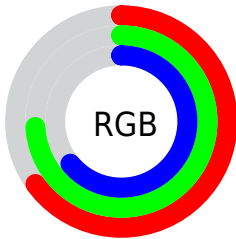
Format	Color
RYB	164, 189, 186
Decimal	10993060
CIELab	74.38, -12.27, 10.12
CIELCh	74, 15.901, 140.481
Yxy	47.2910, 0.3136, 0.3632
Android (android.graphics.Color)	4289183140 (0xFFA7BDA4)
YUV	179.5720, -7.6770, -11.0256
Hunter-Lab	68.7685, -14.3512, 11.8425

Details

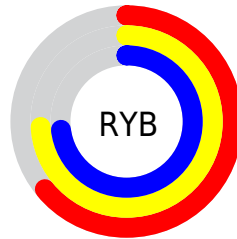
The XYZ color **40.8348, 47.2910, 42.0978** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.7123, 40.6654, 53.7446**, and the grayscale version is **43.1959, 45.4455, 49.4901**.

A 20% lighter version of the original color is **75.5628, 85.9489, 79.6250**, and **18.7990, 22.4230, 18.6665** is the 20% darker color. If you saturate the color by 10%, you get **35.9627, 44.9635, 33.6123**, and if you desaturate by 10%, it is **46.4151, 49.9570, 51.9426**.

Distribution



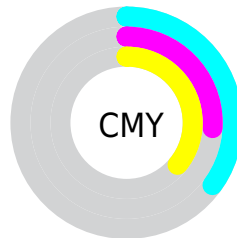
- Red (65%)
- Green (74%)
- Blue (64%)



- Red (64%)
- Yellow (74%)
- Blue (73%)



- Cyan (12%)
- Magenta (0%)
- Yellow (13%)
- Black (26%)





- Cyan (35%)
- Magenta (26%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8348, 47.2910, 42.0978 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 40.8348, 47.2910, 42.0978 by changing the saturation by 10% instead.


 40.8348, 47.2910,
42.0978


 40.8348, 47.2910,
42.0978


340.7041,
375.9749, 370.6998

 28.3771, 33.2658,
28.8517


 75.7093, 86.1478,
79.6193

 18.7520, 22.3301,
18.7241


 98.8569, 111.7482,
104.7318

 11.5942, 14.0997,
11.2963


126.2985,
141.9758, 134.6369

 6.5382, 8.1900,
6.1498

158.3995,
177.2149, 169.7531

 3.2188, 4.2168,
2.8661

195.5251,
217.8500, 210.4990

 1.2705, 1.7955,
1.0267

238.0409,

 0.1610, 0.4844,

264.2654, 257.2930

0.0000

286.3121,
316.8456, 310.5538

■ 0.0000, 0.0000,
0.0000

■ 40.8348, 47.2910,
42.0978

■ 40.8348, 47.2910,
42.0978

■ 35.9627, 44.9635,
33.6123

■ 46.4151, 49.9570,
51.9426

■ 31.7668, 42.9552,
26.4235

■ 52.7265, 52.9681,
63.1994

■ 28.2181, 41.2539,
20.4684

■ 59.7955, 56.3380,
75.9219

■ 25.2842, 39.8444,
15.6777

■ 67.6462, 60.0781,
90.1602

■ 22.9298, 38.7102,
11.9751

■ 75.7321, 63.9716,
102.9640

■ 21.1160, 37.8330,
9.2754

■ 77.4885, 64.8770,
103.0462

■ 19.7989, 37.1924,
7.4805

■ 18.9275, 36.7646,
6.4727

■ 18.5445, 36.5754,
6.0824

Harmonies

Analogous

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



43.0501, 47.2910, 38.0909



40.8348, 47.2910, 42.0978



39.7357, 47.2910, 48.9286

Triad

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



40.8348, 47.2910, 42.0978



44.0445, 47.2910, 68.6563



50.3049, 47.2910, 46.1706

Complementary

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



40.8348, 47.2910, 42.0978



42.7123, 40.6654, 53.7446

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.



50.5988, 47.2910, 54.1432



40.8348, 47.2910, 42.0978



46.9023, 47.2910, 67.7164

Square

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



40.8348, 47.2910, 42.0978



41.5362, 47.2910, 64.6351



49.3300, 47.2910, 62.1888



48.5431, 47.2910, 40.2633

Rectangle

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



40.8348, 47.2910, 42.0978



39.7504, 47.2910, 54.4130



49.3300, 47.2910, 62.1888



50.5814, 47.2910, 48.6771

Sweetspot

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



40.8361, 47.2930, 42.0988



82.2413, 89.0467, 91.4565



45.1779, 48.4789, 42.0989



17.5155, 19.0679, 19.3658



90.7827, 95.5105, 104.0109



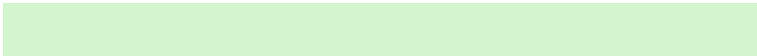
18.6292, 19.5994, 21.3438

Same Dimension

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



40.8361, 47.2930, 42.0988



70.3606, 83.3725, 70.5425



41.0679, 47.3134, 46.5889



9.5123, 10.7030, 10.1412



12.5119, 24.6260, 4.0938



0.5256, 0.9829, 0.1620

Inverse Universe

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



42.7123, 40.6654, 53.7446



74.4031, 69.0889, 95.6402



42.4846, 40.6594, 48.7016



9.8142, 9.6366, 12.0150



16.8496, 7.9724, 33.0436



0.6922, 0.3289, 1.2959

Previews

White Background



This preview shows how the XYZ color 40.8348, 47.2910, 42.0978 looks on a white background.

Color Contrast Check

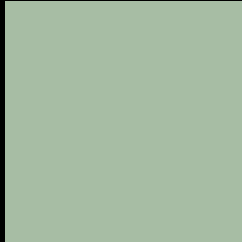
Large Text (above 18pt) WCAG AA × Fail

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 40.8348, 47.2910, 42.0978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

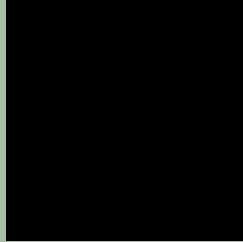
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.8348, 47.2910, 42.0978

Background



This preview shows how black text looks on a background with the XYZ color 40.8348, 47.2910, 42.0978.



This preview shows how white text looks on a background with the XYZ color 40.8348, 47.2910,

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

40.8348, 47.2910, 42.0978

Protanopia

44.5590, 47.0703, 39.9947

Deuteranopia

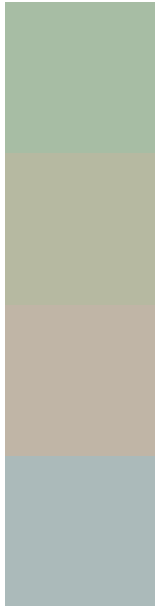
47.9540, 46.9625, 43.0964



Tritanopia

44.6829, 47.2887, 60.8054

Trichromacy



Original Color

40.8348, 47.2910, 42.0978

Protanomaly

43.0734, 47.2162, 40.5616

Deuteranomaly

45.1450, 47.0074, 42.7703

Tritanomaly

43.2164, 47.3209, 53.3105

Monochromacy



Original Color

40.8348, 47.2910, 42.0978

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.2527, 46.0369, 46.7035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8348, 47.2910, 42.0978 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(167, 189, 164)` looks like.

```
.text, #text, p{  
    color:rgb(167, 189, 164)  
}
```

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(167, 189, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 189, 164) }
```

Border

The CSS property to change the border of an element to XYZ 40.8348, 47.2910, 42.0978 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(167, 189, 164) }
```


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

```
.border{ border-color:rgb(167, 189, 164) }
```

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

Here you see how a box with a 4 pixel rgb(167, 189, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 189, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 189, 164);  
box-shadow:4px 4px 4px 4px rgb(167, 189,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8348, 47.2910, 42.0978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 189, 164) }
```

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

```
.background{ background-color: rgb(167,  
189, 164) }
```

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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