

Converting Colors

XYZ(41.9487, 47.0830, 48.6440)

Have a look what the booklet for
XYZ(41.9487, 47.0830, 48.6440)
contains.

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Color

**XYZ(41.8546, 47.0398,
48.4686)**

Conversions

Conversions Part 1

Format	Color
Hex	A8BBB1
RGB	168, 187, 177
RGB Percent	66%, 73%, 69%
CMY	0.3412, 0.2667, 0.3059
CMYK	0.10, 0.00, 0.05, 0.27
HSL	148°, 12%, 70%
HSV	148°, 10%, 73%
XYZ	41.8546, 47.0398, 48.4686
YIQ	180.1790, -8.1140, -7.1380

Conversions

Conversions Part 2

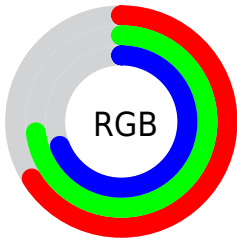
Format	Color
RYB	168, 181, 187
Decimal	11058097
CIELab	74.22, -8.46, 2.83
CIELCh	74, 8.923, 161.476
Yxy	47.0398, 0.3047, 0.3424
Android (android.graphics.Color)	4289248177 (0xFFA8BBB1)
YUV	180.1790, -1.5672, -10.6810
Hunter-Lab	68.5856, -11.0944, 6.1104

Details

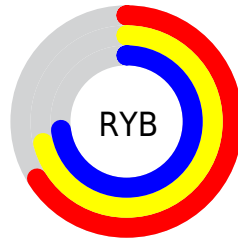
The XYZ color **41.8546, 47.0398, 48.4686** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.5337, 41.7856, 47.9454**, and the grayscale version is **43.4909, 45.7558, 49.8281**.

A 20% lighter version of the original color is **77.1900, 85.6724, 89.5589**, and **19.3656, 22.2184, 22.3367** is the 20% darker color. If you saturate the color by 10%, you get **37.2103, 44.7562, 43.3133**, and if you desaturate by 10%, it is **47.1449, 49.6509, 54.0256**.

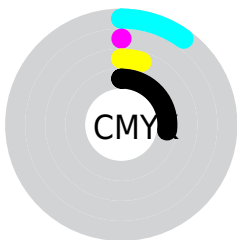
Distribution



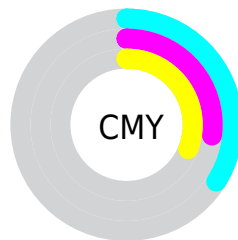
- Red (66%)
- Green (73%)
- Blue (69%)



- Red (66%)
- Yellow (71%)
- Blue (73%)



- Cyan (10%)
- Magenta (0%)
- Yellow (5%)
- Black (27%)



- Cyan (34%)
- Magenta (27%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8546, 47.0398, 48.4686 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 41.8546, 47.0398, 48.4686 by changing the saturation by 10% instead.

■ 41.8546, 47.0398,
48.4686

■ 41.8546, 47.0398,
48.4686

344.8817,
374.9734, 397.2087

■ 29.1781, 33.0671,
33.8355

■ 77.2461, 85.7730,
89.2745

■ 19.3605, 22.1779,
22.4909

■ 100.6917,
111.3024, 116.2844

■ 12.0366, 13.9877,
14.0163

128.4578,
141.4527, 148.2569

■ 6.8410, 8.1121,
7.9931

160.9096,
176.6085, 185.6107

■ 3.4083, 4.1667,
4.0028

198.4126,
217.1540, 228.7642

■ 1.3732, 1.7673,
1.6269

241.3320,

■ 0.2370, 0.4667,

263.4737, 278.1360

0.3099

290.0333,
315.9521, 334.1447

■ 0.0000, 0.0000,
0.0000

■ 41.8546, 47.0398,
48.4686

■ 41.8546, 47.0398,
48.4686

■ 37.2103, 44.7562,
43.3133

■ 47.1449, 49.6509,
54.0256

■ 33.1822, 42.7810,
38.5477

■ 53.1016, 52.5958,
59.9897

■ 29.7441, 41.1020,
34.1635

■ 59.7489, 55.8883,
66.3706

■ 26.8661, 39.7042,
30.1510

■ 67.1088, 59.5394,
73.1761

■ 24.5159, 38.5710,
26.5002

■ 72.7688, 62.3055,
80.3004

■ 22.6573, 37.6840,
23.2003

■ 74.1607, 62.8622,
87.6300

■ 21.2496, 37.0223,
20.2402

■ 75.6315, 63.4505,
95.3748

■ 20.2447, 36.5615,
17.6079

■ 77.0612, 64.0224,
102.9037

■ 19.5563, 36.2565,
15.3238

Harmonies

Analogous

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



42.7023, 47.0398, 44.8939



41.8546, 47.0398, 48.4686



41.7609, 47.0398, 52.9921

Triad

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



41.8546, 47.0398, 48.4686



45.3251, 47.0398, 60.3515



47.0558, 47.0398, 45.5994

Complementary

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



41.8546, 47.0398, 48.4686



42.5337, 41.7856, 47.9454

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.



47.7945, 47.0398, 49.4846



41.8546, 47.0398, 48.4686



46.7795, 47.0398, 58.1105

Square

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



41.8546, 47.0398, 48.4686



43.7392, 47.0398, 60.0392



47.6922, 47.0398, 54.0702



45.6949, 47.0398, 43.3068

Rectangle

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



41.8546, 47.0398, 48.4686



42.1360, 47.0398, 55.9600



47.6922, 47.0398, 54.0702



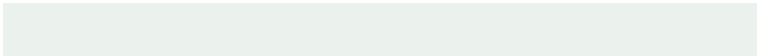
47.3866, 47.0398, 46.7524

Sweetspot

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



41.8559, 47.0418, 48.4696



81.5768, 87.5104, 93.8079



43.2306, 47.8507, 44.0041



17.7922, 19.1862, 20.4785



90.7827, 95.5105, 104.0109



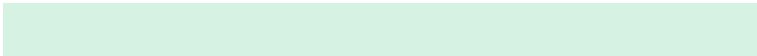
18.6292, 19.5994, 21.3438

Same Dimension

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



41.8559, 47.0418, 48.4696



73.1774, 83.3694, 84.8704



42.8224, 47.4284, 53.5589



9.5918, 10.7228, 11.1000



13.5098, 24.9942, 10.7471



0.5623, 0.9923, 0.5951

Inverse Universe

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



42.5337, 41.7856, 47.9454



74.6140, 72.2289, 83.7591



41.6246, 41.4220, 43.1580



9.7343, 9.6180, 10.9898



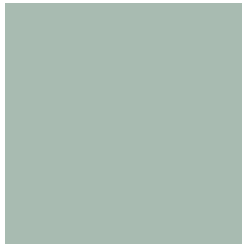
15.6901, 7.9072, 8.9278



0.6474, 0.3229, 0.5226

Previews

White Background



This preview shows how the XYZ color 41.8546, 47.0398, 48.4686 looks on a white background.

Color Contrast Check

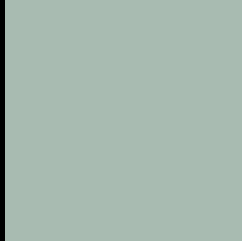
Large Text (above 18pt) WCAG AA × Fail

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 41.8546, 47.0398, 48.4686 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 41.8546, 47.0398, 48.4686

Background



This preview shows how black text looks on a background with the XYZ color 41.8546, 47.0398, 48.4686.

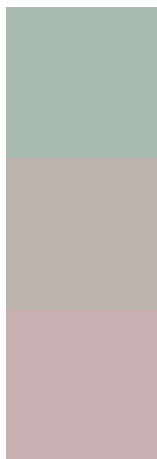


This preview shows how white text looks on a background with the XYZ color 41.8546, 47.0398,

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

41.8546, 47.0398, 48.4686

Protanopia

44.6574, 46.6685, 46.6986

Deuteranopia

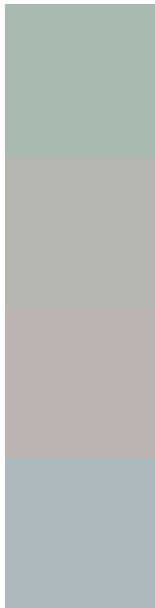
47.7494, 46.7228, 49.1496



Tritanopia

44.3468, 47.1289, 60.1855

Trichromacy



Original Color

41.8546, 47.0398, 48.4686

Protanomaly

43.4937, 46.6654, 47.2724

Deuteranomaly

45.3434, 46.6757, 48.7389

Tritanomaly

43.4378, 47.0736, 55.5119

Monochromacy



Original Color

41.8546, 47.0398, 48.4686

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.9747, 46.3518, 49.3296

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8546, 47.0398, 48.4686 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(168, 187, 177)` looks like.

```
.text, #text, p{  
    color:rgb(168, 187, 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(168, 187, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 187, 177) }
```

Border

The CSS property to change the border of an element to XYZ 41.8546, 47.0398, 48.4686 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(168, 187, 177) }
```


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

```
.border{ border-color:rgb(168, 187, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 187, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 187, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 187, 177);  
box-shadow:4px 4px 4px 4px rgb(168, 187,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8546, 47.0398, 48.4686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 187, 177) }
```

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

```
.background{ background-color: rgb(168,  
187, 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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