

# Converting Colors

XYZ(41.9554, 47.2425, 47.4587)

Have a look what the booklet for  
XYZ(41.9554, 47.2425, 47.4587)  
contains.

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# Color

**XYZ(41.8704, 47.0708,  
47.4362)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9BBAF
RGB	169, 187, 175
RGB Percent	66%, 73%, 69%
CMY	0.3372, 0.2667, 0.3137
CMYK	0.10, 0.00, 0.06, 0.27
HSL	140°, 12%, 70%
HSV	140°, 10%, 73%
XYZ	41.8704, 47.0708, 47.4362
YIQ	180.2500, -6.8760, -7.5480

# Conversions

## Conversions Part 2

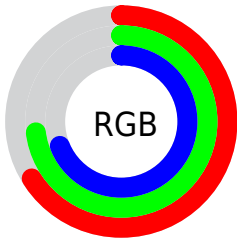
<b>Format</b>	<b>Color</b>
<b>RYB</b>	169, 183, 187
Decimal	11123631
CIELab	74.24, -8.50, 3.96
CIELCh	74, 9.376, 155.009
Yxy	47.0708, 0.3070, 0.3452
Android (android.graphics.Color)	4289313711 (0xFFA9BBAF)
YUV	180.2500, -2.5882, -9.8662
Hunter-Lab	68.6082, -11.1288, 7.0322

# Details

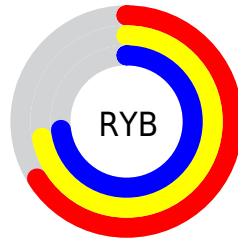
The XYZ color **41.8704, 47.0708, 47.4362** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.0237, 42.2782, 49.6113**, and the grayscale version is **43.5339, 45.8011, 49.8774**.

A 20% lighter version of the original color is **77.0740, 85.6616, 87.3350**, and **19.4364, 22.2622, 22.0115** is the 20% darker color. If you saturate the color by 10%, you get **36.9735, 44.6827, 41.1075**, and if you desaturate by 10%, it is **47.4569, 49.8040, 54.3895**.

# Distribution



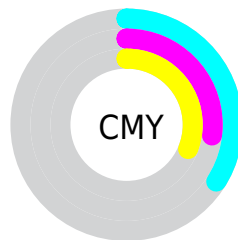
- Red (66%)
- Green (73%)
- Blue (69%)



- Red (66%)
- Yellow (72%)
- Blue (73%)



- Cyan (10%)
- Magenta (0%)
- Yellow (6%)
- Black (27%)




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8704, 47.0708, 47.4362 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 41.8704, 47.0708, 47.4362 by changing the saturation by 10% instead.





 41.8704, 47.0708,  
47.4362


 41.8704, 47.0708,  
47.4362


344.9462,  
375.0971, 392.9970

 29.1905, 33.0916,  
33.0238


 77.2698, 85.8193,  
87.7212

 19.3700, 22.1966,  
21.8734


 100.7201,  
111.3574, 114.4308

 12.0435, 14.0015,  
13.5665


128.4911,  
141.5173, 146.0766

 6.8457, 8.1217,  
7.6845

160.9484,  
176.6833, 183.0771

 3.4113, 4.1729,  
3.8089

198.4571,  
217.2399, 225.8509

 1.3748, 1.7708,  
1.5211

241.3828,

 0.2382, 0.4688,

263.5715, 274.8164

0.2336

290.0907,  
316.0624, 330.3923

■ 0.0000, 0.0000,  
0.0000

■ 41.8704, 47.0708,  
47.4362

■ 41.8704, 47.0708,  
47.4362

■ 36.9735, 44.6827,  
41.1075

■ 47.4569, 49.8040,  
54.3895

■ 32.7349, 42.6199,  
35.3829

■ 53.7547, 52.8891,  
61.9806

■ 29.1268, 40.8699,  
30.2458

■ 60.7895, 56.3404,  
70.2266

■ 26.1178, 39.4167,  
25.6770

■ 68.5845, 60.1697,  
79.1427

■ 23.6737, 38.2431,  
21.6570

■ 74.3472, 62.9368,  
88.6120

■ 21.7567, 37.3302,  
18.1645

■ 76.2366, 63.6926,  
98.5616

■ 20.3243, 36.6564,  
15.1772

■ 77.0612, 64.0224,  
102.9037

■ 19.3264, 36.1964,  
12.6709

■ 18.6713, 35.9035,  
10.6178

# Harmonies

## Analogous

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



42.9087, 47.0708, 44.0310



41.8704, 47.0708, 47.4362



41.5930, 47.0708, 52.0655

# Triad

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



41.8704, 47.0708, 47.4362



45.0225, 47.0708, 61.0482



47.4421, 47.0708, 46.1176

# Complementary

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



41.8704, 47.0708, 47.4362



43.0237, 42.2782, 49.6113

# 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.



48.0406, 47.0708, 50.4472



41.8704, 47.0708, 47.4362



46.6214, 47.0708, 59.2225

# Square

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



41.8704, 47.0708, 47.4362



43.3863, 47.0708, 60.1179



47.7365, 47.0708, 55.2673



46.1203, 47.0708, 43.3038



# Rectangle

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



41.8704, 47.0708, 47.4362



41.8708, 47.0708, 55.2702



47.7365, 47.0708, 55.2673



47.7361, 47.0708, 47.4336

# Sweetspot

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



41.8717, 47.0728, 47.4372



81.4270, 87.4505, 93.0190



44.0600, 48.2675, 44.5312



17.7507, 19.1696, 20.2601



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.



41.8717, 47.0728, 47.4372



72.6209, 83.1469, 81.9405



42.7544, 47.4259, 52.0854



9.5364, 10.7007, 10.8083



12.8794, 24.7421, 7.4279



0.5355, 0.9816, 0.4541



# Inverse Universe

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



43.0237, 42.2782, 49.6113



75.1888, 72.4588, 86.7859



42.1582, 41.9320, 45.0537



9.7911, 9.6407, 11.2889



16.6911, 8.3076, 14.1988

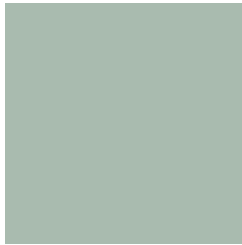


0.6830, 0.3371, 0.7098



# Previews

## White Background



This preview shows how the XYZ color 41.8704, 47.0708, 47.4362 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

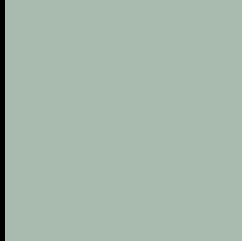
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.8704, 47.0708, 47.4362 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

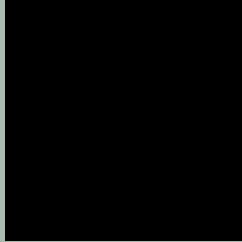
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

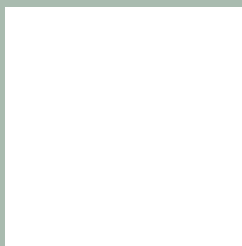
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 41.8704, 47.0708, 47.4362**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.8704, 47.0708, 47.4362.



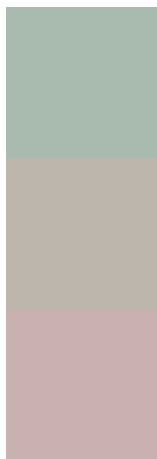
This preview shows how white text looks on a background with the XYZ color 41.8704, 47.0708,



# 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

41.8704, 47.0708, 47.4362

### Protanopia

44.9134, 47.1258, 45.7587

### Deuteranopia

47.8183, 46.7815, 48.1044



## Tritanopia

44.5671, 47.2424, 60.1958

# Trichromacy



## Original Color

41.8704, 47.0708, 47.4362

## Protanomaly

43.7394, 47.1219, 46.3253

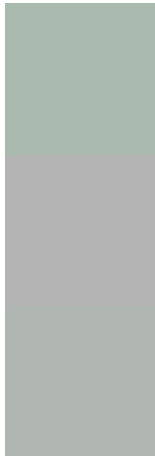
## Deuteranomaly

45.3929, 46.7243, 47.7005

## Tritanomaly

43.6565, 47.1863, 55.5221

# Monochromacy



## Original Color

41.8704, 47.0708, 47.4362

## Achromatopsia

43.3819, 45.6411, 49.7032

## Achromatomaly

42.8739, 46.3114, 48.7988

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.8704, 47.0708, 47.4362 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(169, 187, 175)` looks like.

```
.text, #text, p{  
    color:rgb(169, 187, 175)  
}
```

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(169, 187, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 187, 175) }
```

## Border

The CSS property to change the border of an element to XYZ 41.8704, 47.0708, 47.4362 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(169, 187, 175) }
```



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

```
.border{ border-color:rgb(169, 187, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 187, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 187, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 187, 175);  
box-shadow:4px 4px 4px 4px rgb(169, 187,  
175) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.8704, 47.0708, 47.4362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 187, 175) }
```

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

```
.background{ background-color: rgb(169,  
187, 175) }
```

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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