

# Converting Colors

XYZ(41.7202, 47.0094, 45.5084)

Have a look what the booklet for  
XYZ(41.7202, 47.0094, 45.5084)  
contains.

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# Color

**XYZ(41.6986, 47.0270,  
45.4074)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AABBAB
RGB	170, 187, 171
RGB Percent	67%, 73%, 67%
CMY	0.3333, 0.2666, 0.3294
CMYK	0.09, 0.00, 0.09, 0.27
HSL	124°, 11%, 70%
HSV	124°, 9%, 73%
XYZ	41.6986, 47.0270, 45.4074
YIQ	180.0930, -4.9960, -8.5800

# Conversions

## Conversions Part 2

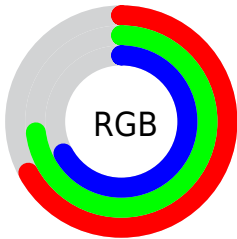
<b>Format</b>	<b>Color</b>
<b>RYB</b>	170, 186, 187
Decimal	11189163
CIELab	74.21, -8.90, 6.11
CIElCh	74, 10.792, 145.543
Yxy	47.0270, 0.3109, 0.3506
Android (android.graphics.Color)	4289379243 (0xFFAABBAB)
YUV	180.0930, -4.4828, -8.8516
Hunter-Lab	68.5762, -11.4694, 8.7448

# Details

The XYZ color **41.6986, 47.0270, 45.4074** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.7329, 42.8606, 52.4247**, and the grayscale version is **43.4587, 45.7219, 49.7912**.

A 20% lighter version of the original color is **76.8294, 85.5997, 84.4246**, and **19.3261, 22.2337, 20.7257** is the 20% darker color. If you saturate the color by 10%, you get **36.3726, 44.4638, 36.9762**, and if you desaturate by 10%, it is **47.8257, 49.9801, 55.0443**.

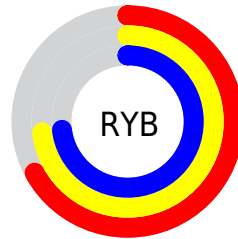
# Distribution



Red (67%)

Green (73%)

Blue (67%)



Red (67%)

Yellow (73%)

Blue (73%)

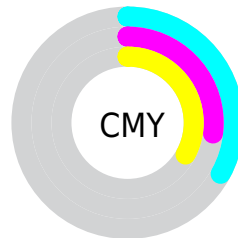


Cyan (9%)

Magenta (0%)

Yellow (9%)

Black (27%)



Cyan (33%)

Magenta (27%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6986, 47.0270, 45.4074 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 41.6986, 47.0270, 45.4074 by changing the saturation by 10% instead.



■ 41.6986, 47.0270,  
45.4074

■ 41.6986, 47.0270,  
45.4074

344.2449,  
374.9223, 384.6292

■ 29.0554, 33.0570,  
31.4332

■ 77.0113, 85.7539,  
84.6563

■ 19.2673, 22.1701,  
20.6677

100.4115,  
111.2796, 110.7681

■ 11.9687, 13.9820,  
12.6924

128.1282,  
141.4260, 141.7628

■ 6.7944, 8.1081,  
7.0889

160.5266,  
176.5775, 178.0590

■ 3.3790, 4.1642,  
3.4385

197.9721,  
217.1185, 220.0752

■ 1.3572, 1.7658,  
1.3226

240.8301,

■ 0.2254, 0.4657,

263.4334, 268.2299

0.0802

289.4659,  
315.9065, 322.9417

■ 0.0000, 0.0000,  
0.0000

■ 41.6986, 47.0270,  
45.4074

■ 41.6986, 47.0270,  
45.4074

■ 36.3726, 44.4638,  
36.9762

■ 47.8257, 49.9801,  
55.0443

■ 31.8109, 42.2685,  
29.7002

■ 54.7811, 53.3320,  
65.9284

■ 27.9796, 40.4260,  
23.5301

■ 62.5953, 57.0990,  
78.1031

■ 24.8407, 38.9178,  
18.4118

■ 71.2963, 61.2946,  
91.6088

■ 22.3528, 37.7240,  
14.2867

■ 77.0612, 64.0225,  
102.9037

■ 20.4702, 36.8223,  
11.0902

■ 19.1410, 36.1875,  
8.7505

■ 18.3048, 35.7902,  
7.1850

■ 17.8626, 35.5815,  
6.2937

# Harmonies

## Analogous

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



43.1120, 47.0270, 42.1768



41.6986, 47.0270, 45.4074



41.0889, 47.0270, 50.3806

# Triad

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



41.6986, 47.0270, 45.4074



44.4092, 47.0270, 62.5833



48.1406, 47.0270, 46.7444

# Complementary

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



41.6986, 47.0270, 45.4074



43.7329, 42.8606, 52.4247

# 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.



48.5119, 47.0270, 52.0371



41.6986, 47.0270, 45.4074



46.3219, 47.0270, 61.4363

# Square

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



41.6986, 47.0270, 45.4074



42.6249, 47.0270, 60.5058



47.8374, 47.0270, 57.4749



46.8367, 47.0270, 42.9087



# Rectangle

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



41.6986, 47.0270, 45.4074



41.2071, 47.0270, 54.1141



47.8374, 47.0270, 57.4749



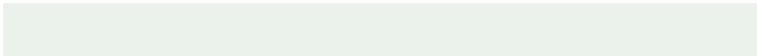
48.3802, 47.0270, 48.4009

# Sweetspot

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



41.6999, 47.0290, 45.4084



81.1365, 87.3343, 91.4890



45.3143, 48.9032, 45.0818



17.6704, 19.1375, 19.8374



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.



41.6999, 47.0290, 45.4084



72.5747, 83.2102, 77.9976



42.5215, 47.3577, 49.7351



9.4309, 10.6585, 10.2528



12.2949, 24.5082, 4.3496



0.4895, 0.9632, 0.2118



# Inverse Universe

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



43.7329, 42.8606, 52.4247



76.9878, 74.1617, 93.2278



42.8706, 42.5157, 47.8837



9.9051, 9.6863, 11.8891



19.5292, 9.4428, 29.1440



0.7724, 0.3729, 1.1807



# Previews

## White Background



This preview shows how the XYZ color 41.6986, 47.0270, 45.4074 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

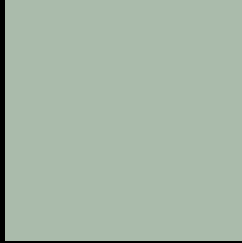
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.6986, 47.0270, 45.4074 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

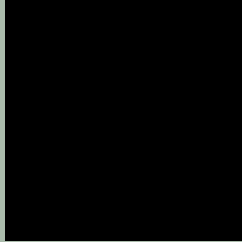
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 41.6986, 47.0270, 45.4074**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.6986, 47.0270, 45.4074.



This preview shows how white text looks on a background with the XYZ color 41.6986, 47.0270,

45.4074.

# 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

41.6986, 47.0270, 45.4074

### Protanopia

44.7821, 47.1019, 43.7771

### Deuteranopia

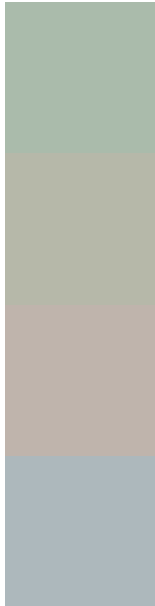
47.6968, 46.7643, 46.0477



## Tritanopia

44.5821, 46.9429, 60.1372

# Trichromacy



## Original Color

41.6986, 47.0270, 45.4074

## Protanomaly

43.5933, 47.0906, 44.3279

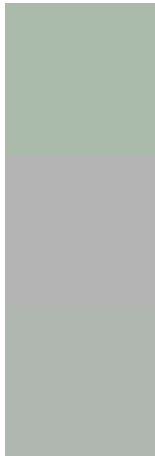
## Deuteranomaly

45.2535, 46.6974, 45.6581

## Tritanomaly

43.4512, 46.7961, 54.3194

# Monochromacy



## Original Color

41.6986, 47.0270, 45.4074

## Achromatopsia

43.3819, 45.6411, 49.7032

## Achromatomaly

42.7738, 46.2714, 48.2718

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.6986, 47.0270, 45.4074 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(170, 187, 171)` looks like.

```
.text, #text, p{  
    color:rgb(170, 187, 171)  
}
```

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(170, 187, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 187, 171) }
```

## Border

The CSS property to change the border of an element to XYZ 41.6986, 47.0270, 45.4074 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".

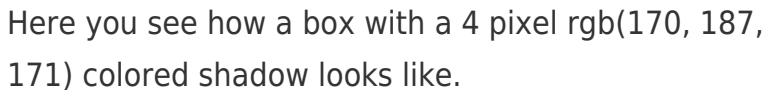
```
.border, #border, table{ border:4px solid rgb(170, 187, 171) }
```



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

```
.border{ border-color:rgb(170, 187, 171) }
```

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



Here you see how a box with a 4 pixel `rgb(170, 187, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 187, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 187, 171); box-shadow:4px 4px 4px 4px rgb(170, 187, 171) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.6986, 47.0270, 45.4074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 187, 171) }
```

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

```
.background{ background-color: rgb(170,  
187, 171) }
```

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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