

# Converting Colors

XYZ(43.2917, 47.7752, 45.9699)

Have a look what the booklet for  
XYZ(43.2917, 47.7752, 45.9699)  
contains.

<b>XYZ(43.3482, 47.8663, 45.9842)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(43.3482, 47.8663,  
45.9842)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B1BBAC
RGB	177, 187, 172
RGB Percent	69%, 73%, 67%
CMY	0.3059, 0.2666, 0.3255
CMYK	0.05, 0.00, 0.08, 0.27
HSL	100°, 10%, 70%
HSV	100°, 8%, 73%
XYZ	43.3482, 47.8663, 45.9842
YIQ	182.3000, -1.1450, -6.7850

# Conversions

## Conversions Part 2

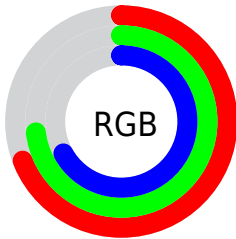
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	172, 187, 182
Decimal	11647916
CIE Lab	74.74, -6.25, 6.40
CIE LCh	75, 8.944, 134.353
Yxy	47.8663, 0.3160, 0.3489
Android (android.graphics.Color)	4289837996 (0xFFB1BBAC)
YUV	182.3000, -5.0779, -4.6481
Hunter-Lab	69.1855, -9.2353, 9.0227

# Details

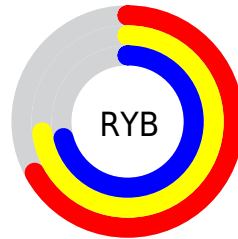
The XYZ color **43.3482, 47.8663, 45.9842** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.0154, 43.0393, 53.0564**, and the grayscale version is **44.6553, 46.9809, 51.1622**.

A 20% lighter version of the original color is **79.5200, 86.9709, 85.2690**, and **20.2274, 22.6913, 21.0831** is the 20% darker color. If you saturate the color by 10%, you get **38.9659, 45.8017, 37.0544**, and if you desaturate by 10%, it is **48.2454, 50.1700, 56.2594**.

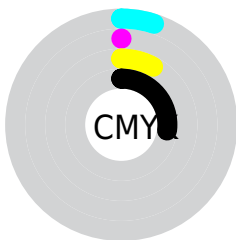
# Distribution



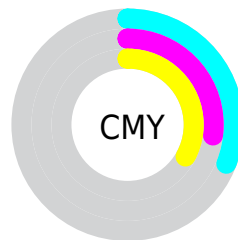
- Red (69%)
- Green (73%)
- Blue (67%)



- Red (67%)
- Yellow (73%)
- Blue (71%)



- Cyan (5%)
- Magenta (0%)
- Yellow (8%)
- Black (27%)



- Cyan (31%)
- Magenta (27%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.3482, 47.8663, 45.9842 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 43.3482, 47.8663, 45.9842 by changing the saturation by 10% instead.



■ 43.3482, 47.8663,  
45.9842

■ 43.3482, 47.8663,  
45.9842

350.9391,  
378.2619, 387.0209

■ 30.3541, 33.7210,  
31.8848

■ 79.4885, 87.0053,  
85.5294

■ 20.2569, 22.6794,  
21.0094

103.3654,  
112.7678, 111.8122

■ 12.6913, 14.3569,  
12.9396

131.6006,  
143.1715, 142.9933

■ 7.2918, 8.3693,  
7.2567

164.5595,  
178.6008, 179.4911

■ 3.6932, 4.3322,  
3.5423

202.6075,  
219.4401, 221.7243

■ 1.5301, 1.8611,  
1.3778

246.1098,

■ 0.3462, 0.5248,

266.0738, 270.1112

0.1243

295.4319,  
318.8863, 325.0706

■ 0.0000, 0.0000,  
0.0000

■ 43.3482, 47.8663,  
45.9842

■ 43.3482, 47.8663,  
45.9842

■ 38.9659, 45.8017,  
37.0544

■ 48.2454, 50.1700,  
56.2594

■ 35.0772, 43.9621,  
29.4113

■ 53.6702, 52.7138,  
67.9292

■ 31.6650, 42.3415,  
22.9964

■ 59.6396, 55.5071,  
81.0442

■ 28.7096, 40.9311,  
17.7455

■ 66.1686, 58.5564,  
95.6516

■ 26.1898, 39.7215,  
13.5886

■ 71.5341, 61.1731,  
102.6451

■ 24.0826, 38.7025,  
10.4482

■ 75.8982, 63.4229,  
102.8493

■ 22.3626, 37.8630,  
8.2365

■ 77.0612, 64.0225,  
102.9037

■ 21.0010, 37.1903,  
6.8509

■ 19.9572, 36.6671,  
6.1318

# Harmonies

## Analogous

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



44.7261, 47.8663, 43.9291



43.3482, 47.8663, 45.9842



42.5556, 47.8663, 49.7443

# Triad

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



43.3482, 47.8663, 45.9842



44.6588, 47.8663, 61.2085



48.5868, 47.8663, 49.9336

# Complementary

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



43.3482, 47.8663, 45.9842



43.0154, 43.0393, 53.0564

# 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.



48.5677, 47.8663, 54.5666



43.3482, 47.8663, 45.9842



46.2736, 47.8663, 61.2667

# Square

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



43.3482, 47.8663, 45.9842



43.2999, 47.8663, 58.6204



47.7125, 47.8663, 58.7749



47.7640, 47.8663, 46.1157



# Rectangle

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



43.3482, 47.8663, 45.9842



42.4537, 47.8663, 52.7997



47.7125, 47.8663, 58.7749



48.6792, 47.8663, 51.4427

# Sweetspot

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



43.3495, 47.8684, 45.9852



82.7751, 88.1454, 93.0824



44.6698, 47.0013, 45.7483



18.2487, 19.4206, 20.5408



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

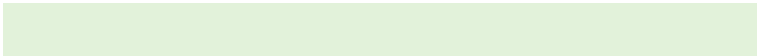


# Same Dimension

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



43.3495, 47.8684, 45.9852



75.8795, 84.9010, 78.7351



42.4739, 47.3889, 47.2098



9.7003, 10.7999, 10.1500



13.6957, 25.2363, 4.1493



0.6072, 1.0250, 0.1658



# Inverse Universe

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



43.0154, 43.0393, 53.0564



75.1323, 74.1040, 94.5450



43.9521, 43.5528, 51.7148



9.6126, 9.5327, 12.0056



12.0545, 5.5004, 32.8192



0.5388, 0.2498, 1.2887



# Previews

## White Background



This preview shows how the XYZ color 43.3482, 47.8663, 45.9842 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

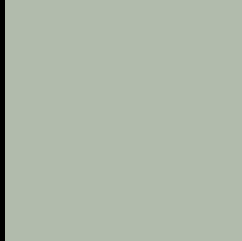
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.3482, 47.8663, 45.9842 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

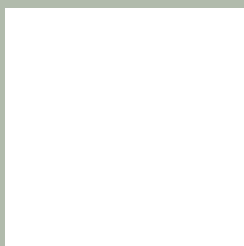
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 43.3482, 47.8663, 45.9842**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.3482, 47.8663, 45.9842.



This preview shows how white text looks on a background with the XYZ color 43.3482, 47.8663,



# 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

43.3482, 47.8663, 45.9842

### Protanopia

45.4244, 47.7164, 44.8463

### Deuteranopia

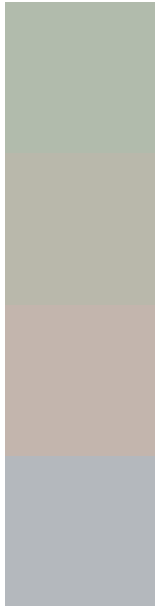
48.5390, 47.4794, 46.6506



## **Tritanopia**

46.1826, 47.7679, 60.2121

# Trichromacy



## Original Color

43.3482, 47.8663, 45.9842

## Protanomaly

44.4988, 47.5355, 45.3580

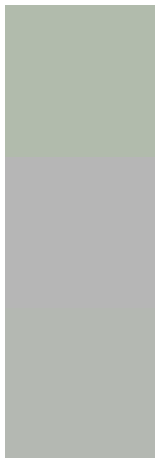
## Deuteranomaly

46.5724, 47.6670, 46.2812

## Tritanomaly

45.1482, 47.6584, 54.9635

# Monochromacy



## Original Color

43.3482, 47.8663, 45.9842

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

43.9988, 47.1986, 48.9107

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.3482, 47.8663, 45.9842 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(177, 187, 172)` looks like.

```
.text, #text, p{  
    color:rgb(177, 187, 172)  
}
```

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(177, 187, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 187, 172) }
```

## Border

The CSS property to change the border of an element to XYZ 43.3482, 47.8663, 45.9842 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(177, 187, 172) }
```



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

```
.border{ border-color:rgb(177, 187, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 187, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 187, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 187, 172);  
box-shadow:4px 4px 4px 4px rgb(177, 187,  
172) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.3482, 47.8663, 45.9842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 187, 172) }
```

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

```
.background{ background-color: rgb(177,  
187, 172) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor