

# Converting Colors

XYZ(43.1404, 46.3512, 47.7478)

Have a look what the booklet for  
XYZ(43.1404, 46.3512, 47.7478)  
contains.

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# Color

**XYZ(43.1301, 46.4665,  
47.7700)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2B7B0
RGB	178, 183, 176
RGB Percent	70%, 72%, 69%
CMY	0.3020, 0.2823, 0.3098
CMYK	0.03, 0.00, 0.04, 0.28
HSL	103°, 5%, 70%
HSV	103°, 4%, 72%
XYZ	43.1301, 46.4665, 47.7700
YIQ	180.7070, -0.7330, -3.2370

# Conversions

## Conversions Part 2

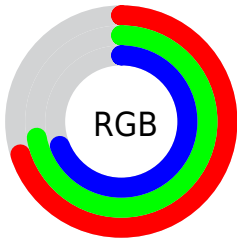
<b>Format</b>	<b>Color</b>
<b>RYB</b>	176, 183, 181
Decimal	11712432
CIELab	73.85, -3.05, 2.94
CIELCh	74, 4.234, 136.065
Yxy	46.4665, 0.3140, 0.3383
Android (android.graphics.Color)	4289902512 (0xFFB2B7B0)
YUV	180.7070, -2.3206, -2.3740
Hunter-Lab	68.1663, -6.3509, 6.1669

# Details

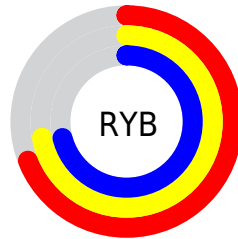
The XYZ color **43.1301, 46.4665, 47.7700** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.1302, 44.2945, 51.0785**, and the grayscale version is **43.7763, 46.0561, 50.1550**.

A 20% lighter version of the original color is **79.3637, 85.0516, 88.5776**, and **20.0782, 21.7805, 22.2146** is the 20% darker color. If you saturate the color by 10%, you get **38.5823, 44.3187, 38.7338**, and if you desaturate by 10%, it is **48.2106, 48.8634, 58.1074**.

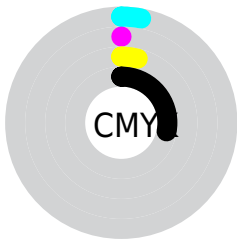
# Distribution



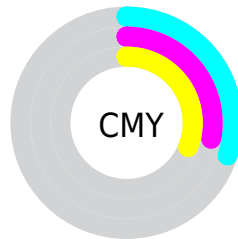
- Red (70%)
- Green (72%)
- Blue (69%)



- Red (69%)
- Yellow (72%)
- Blue (71%)



- Cyan (3%)
- Magenta (0%)
- Yellow (4%)
- Black (28%)



- Cyan (30%)
- Magenta (28%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.1301, 46.4665, 47.7700 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 43.1301, 46.4665, 47.7700 by changing the saturation by 10% instead.



■ 43.1301, 46.4665,  
47.7700

■ 43.1301, 46.4665,  
47.7700

350.0590,  
372.6810, 394.3621

■ 30.1822, 32.6141,  
33.2861

■ 79.1616, 84.9167,  
88.2238

■ 20.1257, 21.8310,  
22.0728

102.9760,  
110.2833, 115.0308

■ 12.5952, 13.7328,  
13.7116

131.1431,  
140.2568, 146.7826

■ 7.2255, 7.9350,  
7.7839

164.0285,  
175.2216, 183.8977

■ 3.6511, 4.0534,  
3.8712

201.9974,  
215.5619, 226.7947

■ 1.5067, 1.7035,  
1.5549

245.4152,

■ 0.3304, 0.4259,

261.6624, 275.8920

0.2584

294.6473,  
313.9073, 331.6083

■ 0.0000, 0.0000,  
0.0000

■ 43.1301, 46.4665,  
47.7700

■ 43.1301, 46.4665,  
47.7700

■ 38.5823, 44.3187,  
38.7338

■ 48.2106, 48.8634,  
58.1074

■ 34.5457, 42.4059,  
30.9442

■ 53.8366, 51.5109,  
69.7914

■ 31.0027, 40.7218,  
24.3474

■ 60.0255, 54.4184,  
82.8693

■ 27.9338, 39.2574,  
18.8845

■ 66.7926, 57.5927,  
97.3847

■ 25.3174, 38.0032,  
14.4914

■ 72.0735, 60.2089,  
102.4305

■ 23.1308, 36.9488,  
11.0978

■ 76.2243, 62.3487,  
102.6248

■ 21.3487, 36.0830,  
8.6248

■ 19.9428, 35.3932,  
6.9820

■ 18.8807, 34.8649,  
6.0602

# Harmonies

## Analogous

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



43.7654, 46.4665, 46.7115



43.1301, 46.4665, 47.7700



42.7740, 46.4665, 49.6016

# Triad

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



43.1301, 46.4665, 47.7700



43.8171, 46.4665, 54.7282



45.5716, 46.4665, 49.4548

# Complementary

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



43.1301, 46.4665, 47.7700



43.1302, 44.2945, 51.0785

# 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.



45.5859, 46.4665, 51.5998



43.1301, 46.4665, 47.7700



44.5671, 46.4665, 54.6862

# Square

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



43.1301, 46.4665, 47.7700



43.1676, 46.4665, 53.6407



45.2164, 46.4665, 53.5274



45.1777, 46.4665, 47.6652



# Rectangle

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



43.1301, 46.4665, 47.7700



42.7402, 46.4665, 51.0337



45.2164, 46.4665, 53.5274



45.6211, 46.4665, 50.1571

# Sweetspot

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



43.1314, 46.4685, 47.7710



79.7027, 84.3805, 90.5159



43.8703, 46.2109, 47.6823



17.6142, 18.6419, 20.0131



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

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



43.1314, 46.4685, 47.7710



76.1691, 82.7128, 83.3942



42.8151, 46.2893, 48.4834



9.5131, 10.3644, 10.3650



12.8704, 24.1712, 3.9872



0.5167, 0.8846, 0.1435



# Inverse Universe

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



43.1302, 44.2945, 51.0785



76.1663, 77.5843, 91.1966



43.4576, 44.4800, 50.3365



9.5127, 9.6566, 11.4420



12.5334, 5.7724, 31.7067



0.4995, 0.2332, 1.1204



# Previews

## White Background



This preview shows how the XYZ color 43.1301, 46.4665, 47.7700 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

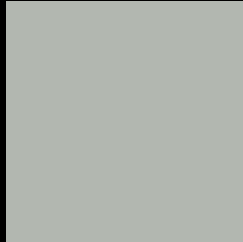
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.1301, 46.4665, 47.7700 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

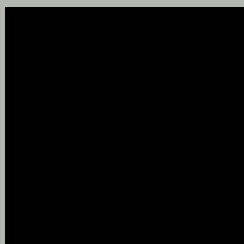
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

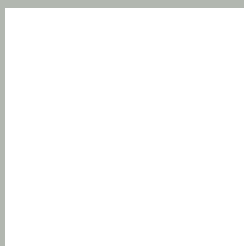
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 43.1301, 46.4665, 47.7700**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.1301, 46.4665, 47.7700.



This preview shows how white text looks on a background with the XYZ color 43.1301, 46.4665,



# 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

43.1301, 46.4665, 47.7700

### Protanopia

44.5114, 46.5820, 47.2027

### Deuteranopia

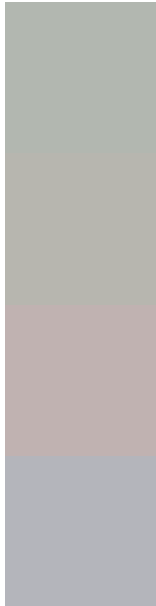
47.1853, 46.1537, 48.5411



## Tritanopia

45.1149, 46.3613, 57.6098

# Trichromacy



## Original Color

43.1301, 46.4665, 47.7700

## Protanomaly

43.9943, 46.6183, 47.2369

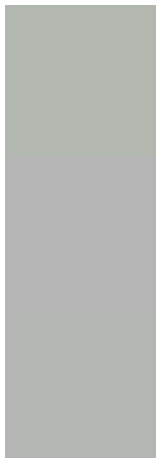
## Deuteranomaly

45.5944, 46.2216, 48.1135

## Tritanomaly

44.3159, 46.3389, 53.6223

# Monochromacy



## Original Color

43.1301, 46.4665, 47.7700

## Achromatopsia

43.9204, 46.2077, 50.3202

## Achromatomaly

43.6870, 46.4139, 49.3040

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.1301, 46.4665, 47.7700 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(178, 183, 176)` looks like.

```
.text, #text, p{  
    color:rgb(178, 183, 176)  
}
```

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(178, 183, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 183, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 43.1301, 46.4665, 47.7700 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(178, 183, 176) }
```



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

```
.border{ border-color:rgb(178, 183, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 183, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 183, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 183, 176);  
box-shadow:4px 4px 4px 4px rgb(178, 183,  
176) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.1301, 46.4665, 47.7700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 183, 176) }
```

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

```
.background{ background-color: rgb(178,  
183, 176) }
```

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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