

# Converting Colors

XYZ(42.5631, 48.0071, 50.6246)

Have a look what the booklet for  
XYZ(42.5631, 48.0071, 50.6246)  
contains.

<b>XYZ(42.4744, 47.9469, 50.7321)</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(42.4744, 47.9469,  
50.7321)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A7BDB5
RGB	167, 189, 181
RGB Percent	65%, 74%, 71%
CMY	0.3451, 0.2588, 0.2902
CMYK	0.12, 0.00, 0.04, 0.26
HSL	158°, 14%, 70%
HSV	158°, 12%, 74%
XYZ	42.4744, 47.9469, 50.7321
YIQ	181.5100, -10.5440, -7.1520

# Conversions

## Conversions Part 2

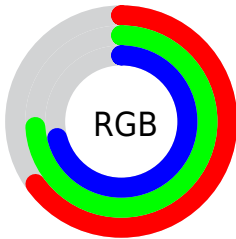
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">167, 180, 189</a>
Decimal	<a href="#">10993077</a>
CIELab	<a href="#">74.79, -9.08, 1.49</a>
CIELCh	<a href="#">75, 9.197, 170.694</a>
Yxy	<a href="#">47.9469, 0.3009, 0.3397</a>
Android (android.graphics.Color)	<a href="#">4289183157 (0xFFA7BDB5)</a>
YUV	<a href="#">181.5100, -0.2514, -12.7253</a>
Hunter-Lab	<a href="#">69.2437, -11.6838, 5.0312</a>

# Details

The XYZ color **42.4744, 47.9469, 50.7321** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.5445, 41.5525, 46.3377**, and the grayscale version is **44.2037, 46.5057, 50.6447**.

A 20% lighter version of the original color is **78.0627, 86.9488, 92.7892**, and **19.7707, 22.8117, 23.7831** is the 20% darker color. If you saturate the color by 10%, you get **38.0819, 45.7633, 46.9354**, and if you desaturate by 10%, it is **47.4880, 50.4493, 54.7416**.

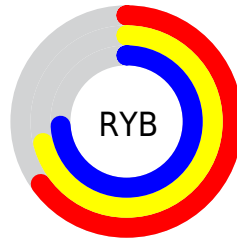
# Distribution



Red (65%)

Green (74%)

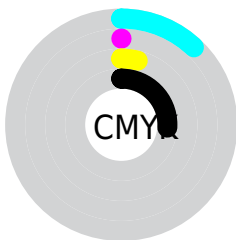
Blue (71%)



Red (65%)

Yellow (71%)

Blue (74%)

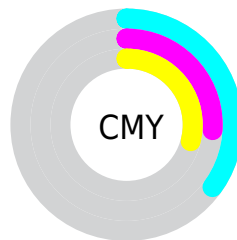


Cyan (12%)

Magenta (0%)

Yellow (4%)

Black (26%)



Cyan (35%)

Magenta (26%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4744, 47.9469, 50.7321 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 42.4744, 47.9469, 50.7321 by changing the saturation by 10% instead.





 42.4744, 47.9469,  
50.7321


 42.4744, 47.9469,  
50.7321


347.4040,  
378.5816, 406.3388

 29.6657, 33.7848,  
35.6202


 78.1778, 87.1253,  
92.6661

 19.7318, 22.7284,  
23.8536

 101.8031,  
112.9105, 120.3253

 12.3073, 14.3931,  
15.0139


129.7647,  
143.3388, 153.0039

 7.0270, 8.3945,  
8.6824

162.4280,  
178.7947, 191.1207

 3.5255, 4.3484,  
4.4406

200.1581,  
219.6625, 235.0940

 1.4374, 1.8703,  
1.8701

243.3206,

 0.2826, 0.5304,

266.3267, 285.3424

0.4736

292.2808,  
319.1716, 342.2845

■ 0.0000, 0.0000,  
0.0000

■ 42.4744, 47.9469,  
50.7321

■ 42.4744, 47.9469,  
50.7321

■ 38.0819, 45.7633,  
46.9354

■ 47.4880, 50.4493,  
54.7416

■ 34.2807, 43.8793,  
43.3445

■ 53.1429, 53.2769,  
58.9644

■ 31.0446, 42.2826,  
39.9565

■ 59.4631, 56.4434,  
63.4050

■ 28.3439, 40.9581,  
36.7674

■ 66.4704, 59.9598,  
68.0670

■ 26.1458, 39.8890,  
33.7728

■ 71.7523, 62.5826,  
72.8398

■ 24.4140, 39.0565,  
30.9682

■ 72.6566, 62.9443,  
77.6016

■ 23.1068, 38.4393,  
28.3487

■ 73.5985, 63.3210,  
82.5615

■ 22.1751, 38.0120,  
25.9090

■ 74.5784, 63.7130,  
87.7215

■ 21.6045, 37.7594,  
24.0018

■ 75.5967, 64.1203,  
93.0841

# Harmonies

## Analogous

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



43.1309, 47.9469, 46.5914



42.4744, 47.9469, 50.7321



42.6320, 47.9469, 55.5256

# Triad

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



42.4744, 47.9469, 50.7321



46.7169, 47.9469, 61.2958



47.6378, 47.9469, 45.4048

# Complementary

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



42.4744, 47.9469, 50.7321



42.5445, 41.5525, 46.3377

# 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.



48.6443, 47.9469, 49.0215



42.4744, 47.9469, 50.7321



48.1037, 47.9469, 58.2546

# Square

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



42.4744, 47.9469, 50.7321



45.0545, 47.9469, 61.8232



48.8168, 47.9469, 53.7082



46.0936, 47.9469, 43.6418



# Rectangle

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



42.4744, 47.9469, 50.7321



43.1792, 47.9469, 58.4384



48.8168, 47.9469, 53.7082



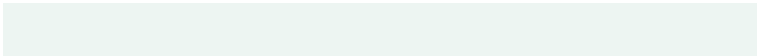
48.0518, 47.9469, 46.4333

# Sweetspot

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



42.4758, 47.9489, 50.7332



83.7158, 89.6855, 97.0047



42.8684, 48.3091, 43.6250



17.8407, 19.2056, 20.7337



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

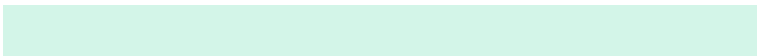


# Same Dimension

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



42.4758, 47.9489, 50.7332



73.9339, 84.8084, 89.0663



42.6961, 47.0375, 54.9754



9.6573, 10.7490, 11.4448



14.5731, 25.4195, 16.3468



0.6012, 1.0078, 0.8002



# Inverse Universe

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



42.5445, 41.5525, 46.3377



74.0820, 71.0582, 79.6184



42.3250, 42.3345, 42.5004



9.6697, 9.5922, 10.6498



14.8714, 7.5797, 4.6163



0.6143, 0.3096, 0.3479



# Previews

## White Background



This preview shows how the XYZ color 42.4744, 47.9469, 50.7321 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

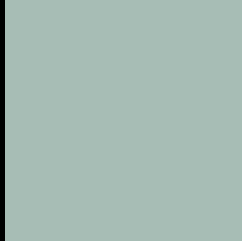
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.4744, 47.9469, 50.7321 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

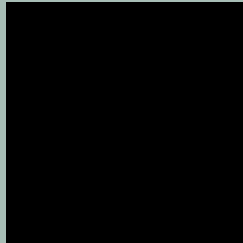
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.4744, 47.9469, 50.7321**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.4744, 47.9469, 50.7321.



This preview shows how white text looks on a background with the XYZ color 42.4744, 47.9469,



# 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

42.4744, 47.9469, 50.7321

### Protanopia

45.7084, 47.7727, 48.9314

### Deuteranopia

48.8248, 47.8162, 51.4559



## Tritanopia

44.6791, 47.8809, 62.1454

# Trichromacy



## Original Color

42.4744, 47.9469, 50.7321

## Protanomaly

44.3080, 47.6559, 49.5110

## Deuteranomaly

46.1577, 47.6521, 51.0210

## Tritanomaly

43.8701, 47.8707, 57.9667

# Monochromacy



## Original Color

42.4744, 47.9469, 50.7321

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

43.9239, 47.4224, 51.0944

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.4744, 47.9469, 50.7321 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(167, 189, 181)` looks like.

```
.text, #text, p{  
    color:rgb(167, 189, 181)  
}
```

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(167, 189, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 189, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 42.4744, 47.9469, 50.7321 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".

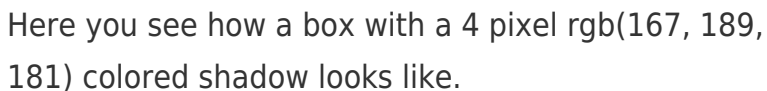
```
.border, #border, table{ border:4px solid rgb(167, 189, 181) }
```



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

```
.border{ border-color:rgb(167, 189, 181) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 189, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 189, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 189, 181); box-shadow:4px 4px 4px 4px rgb(167, 189, 181) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.4744, 47.9469, 50.7321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 189, 181) }
```

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

```
.background{ background-color: rgb(167,  
189, 181) }
```

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