

# Converting Colors

XYZ(42.4812, 50.7941, 46.8806)

Have a look what the booklet for  
XYZ(42.4812, 50.7941, 46.8806)  
contains.

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# Color

**XYZ(42.4094, 50.6310,  
47.0727)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2C5AD
RGB	162, 197, 173
RGB Percent	64%, 77%, 68%
CMY	0.3647, 0.2274, 0.3216
CMYK	0.18, 0.00, 0.12, 0.23
HSL	139°, 23%, 70%
HSV	139°, 18%, 77%
XYZ	42.4094, 50.6310, 47.0727
YIQ	183.7990, -13.1560, -14.8840

# Conversions

## Conversions Part 2

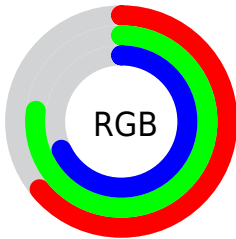
Format	Color
<a href="#">RYB</a>	<a href="#">162, 189, 197</a>
Decimal	<a href="#">10667437</a>
CIELab	<a href="#">76.45, -16.44, 8.18</a>
CIElCh	<a href="#">76, 18.362, 153.557</a>
Yxy	<a href="#">50.6310, 0.3027, 0.3614</a>
Android (android.graphics.Color)	<a href="#">4288857517 (0xFFA2C5AD)</a>
YUV	<a href="#">183.7990, -5.3239, -19.1177</a>
Hunter-Lab	<a href="#">71.1555, -18.1342, 10.5857</a>

# Details

The XYZ color **42.4094, 50.6310, 47.0727** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.8110, 41.2575, 52.0584**, and the grayscale version is **45.4838, 47.8525, 52.1114**.

A 20% lighter version of the original color is **78.0607, 91.2368, 86.8950**, and **19.7041, 24.3404, 21.7488** is the 20% darker color. If you saturate the color by 10%, you get **37.4751, 48.2322, 40.3599**, and if you desaturate by 10%, it is **48.1057, 53.4102, 54.5134**.

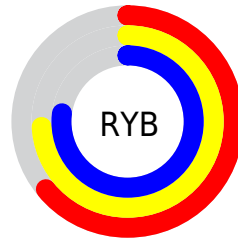
# Distribution



Red (64%)

Green (77%)

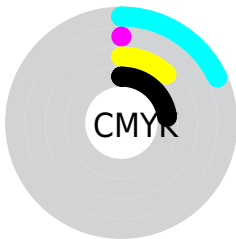
Blue (68%)



Red (64%)

Yellow (74%)

Blue (77%)

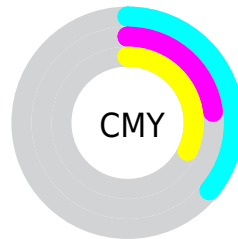


Cyan (18%)

Magenta (0%)

Yellow (12%)

Black (23%)



Cyan (36%)

Magenta (23%)


Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4094, 50.6310, 47.0727 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 42.4094, 50.6310, 47.0727 by changing the saturation by 10% instead.





 42.4094, 50.6310,  
47.0727


 42.4094, 50.6310,  
47.0727


347.1401,  
389.1284, 391.5068

 29.6145, 35.9150,  
32.7384

 78.0801, 91.1091,  
87.1732

 19.6928, 24.3686,  
21.6566


 101.6867,  
117.6400, 113.7766

 12.2789, 15.6073,  
13.4089


129.6279,  
148.8780, 145.3066

 7.0075, 9.2467,  
7.5767

162.2690,  
185.2075, 182.1819

 3.5131, 4.9024,  
3.7414

199.9754,  
227.0129, 224.8211

 1.4306, 2.1901,  
1.4846

243.1125,

 0.2778, 0.7146,

274.6786, 273.6426

0.2064

292.0456,  
328.5890, 329.0650

■ 0.0000, 0.0000,  
0.0000

■ 42.4094, 50.6310,  
47.0727

■ 42.4094, 50.6310,  
47.0727

■ 37.4751, 48.2322,  
40.3599

■ 48.1057, 53.4102,  
54.5134

■ 33.2655, 46.1908,  
34.3495

■ 54.5906, 56.5788,  
62.6996

■ 29.7466, 44.4910,  
29.0199

■ 61.8949, 60.1537,  
71.6524

■ 26.8798, 43.1135,  
24.3465

■ 70.0462, 64.1488,  
81.3914

■ 24.6224, 42.0370,  
20.3037

■ 77.0170, 67.5183,  
91.8389

■ 22.9267, 41.2372,  
16.8639

■ 79.1058, 68.3538,  
102.8387

■ 21.7371, 40.6861,  
13.9975

■ 79.2572, 68.4144,  
103.6357

■ 20.9743, 40.3436,  
11.6715

■ 20.8342, 40.2812,  
11.2215

# Harmonies

## Analogous

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



44.5390, 50.6310, 40.7277



42.4094, 50.6310, 47.0727



41.7846, 50.6310, 56.3191

# Triad

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



42.4094, 50.6310, 47.0727



48.5372, 50.6310, 76.4130



53.8823, 50.6310, 45.2539

# Complementary

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



42.4094, 50.6310, 47.0727



44.8110, 41.2575, 52.0584

# 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.



55.0726, 50.6310, 53.9549



42.4094, 50.6310, 47.0727



51.8948, 50.6310, 72.5774

# Square

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



42.4094, 50.6310, 47.0727



45.2214, 50.6310, 74.0065



54.3286, 50.6310, 64.0547



51.1467, 50.6310, 39.7694



# Rectangle

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



42.4094, 50.6310, 47.0727



42.2794, 50.6310, 63.0986



54.3286, 50.6310, 64.0547



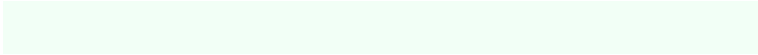
54.4822, 50.6310, 47.8596

# Sweetspot

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



42.4108, 50.6331, 47.0738



89.1378, 97.1111, 101.4418



46.8612, 53.0454, 41.9521



18.9077, 20.7020, 21.4944



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

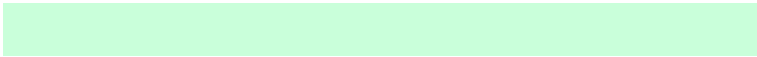


# Same Dimension

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



42.4108, 50.6331, 47.0738



72.6599, 89.0765, 79.8849



44.1625, 51.3338, 56.2981



10.6325, 11.9419, 12.0149



13.7366, 26.5070, 7.5576



0.6835, 1.2683, 0.5321



# Inverse Universe

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



44.8110, 41.2575, 52.0584



77.6895, 69.4265, 90.3270



43.1093, 40.5768, 43.0972



10.9357, 10.7577, 12.6449



18.0650, 8.9756, 16.0841



0.8870, 0.4377, 0.9283



# Previews

## White Background



This preview shows how the XYZ color 42.4094, 50.6310, 47.0727 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

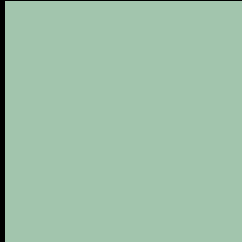
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.4094, 50.6310, 47.0727 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

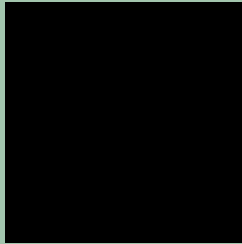
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.4094, 50.6310, 47.0727**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.4094, 50.6310, 47.0727.



This preview shows how white text looks on a background with the XYZ color 42.4094, 50.6310,

47.0727.

# 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

42.4094, 50.6310, 47.0727

### Protanopia

47.8161, 50.5294, 44.2788

### Deuteranopia

51.4284, 50.4394, 48.0995



## Tritanopia

46.2606, 50.5291, 66.3464

# Trichromacy



## Original Color

42.4094, 50.6310, 47.0727

## Protanomaly

45.6537, 50.3542, 45.3433

## Deuteranomaly

47.5005, 49.9732, 47.6997

## Tritanomaly

44.8680, 50.6307, 59.0377

# Monochromacy



## Original Color

42.4094, 50.6310, 47.0727

## Achromatopsia

45.5594, 47.9320, 52.1980

## Achromatomaly

44.3403, 48.9206, 50.2856

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.4094, 50.6310, 47.0727 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(162, 197, 173)` looks like.

```
.text, #text, p{  
    color:rgb(162, 197, 173)  
}
```

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(162, 197, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 197, 173) }
```

## Border

The CSS property to change the border of an element to XYZ 42.4094, 50.6310, 47.0727 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(162, 197, 173) }
```



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

```
.border{ border-color:rgb(162, 197, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 197, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 197, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 197, 173);  
box-shadow:4px 4px 4px 4px rgb(162, 197,  
173) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.4094, 50.6310, 47.0727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 197, 173) }
```

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

```
.background{ background-color: rgb(162,  
197, 173) }
```

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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