

# Converting Colors

XYZ(41.4721, 49.6470, 54.4107)

Have a look what the booklet for  
XYZ(41.4721, 49.6470, 54.4107)  
contains.

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# Color

**XYZ(41.4721, 49.6470,  
54.4107)**

# Conversions

## Conversions Part 1

Format	Color
Hex	97C4BB
RGB	151, 196, 187
RGB Percent	59%, 77%, 73%
CMY	0.4078, 0.2314, 0.2667
CMYK	0.23, 0.00, 0.05, 0.23
HSL	168°, 28%, 68%
HSV	168°, 23%, 77%
XYZ	41.4721, 49.6470, 54.4107
YIQ	181.5190, -23.9310, -12.3390

# Conversions

## Conversions Part 2

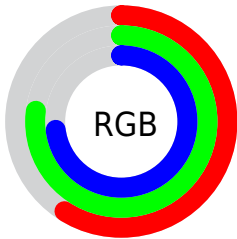
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	151, 176, 196
Decimal	9946299
CIE <sub>Lab</sub>	75.85, -16.68, -0.34
CIE <sub>LCh</sub>	76, 16.682, 181.183
Yxy	49.6470, 0.2850, 0.3411
Android (android.graphics.Color)	4288136379 (0xFF97C4BB)
YUV	181.5190, 2.7021, -26.7652
Hunter-Lab	70.4606, -18.2436, 3.5379

# Details

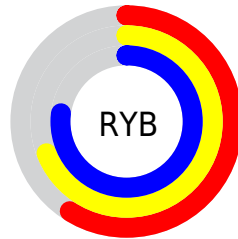
The XYZ color **41.4721, 49.6470, 54.4107** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.1785, 36.4085, 38.1698**, and the grayscale version is **44.1983, 46.5000, 50.6385**.

A 20% lighter version of the original color is **76.7565, 89.8434, 98.0900**, and **19.1217, 23.7199, 26.1248** is the 20% darker color. If you saturate the color by 10%, you get **37.7189, 47.7613, 52.0745**, and if you desaturate by 10%, it is **45.8444, 51.8531, 56.8379**.

# Distribution



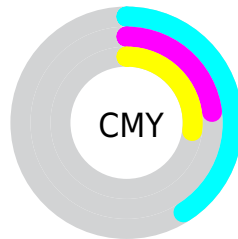
- Red (59%)
- Green (77%)
- Blue (73%)



- Red (59%)
- Yellow (69%)
- Blue (77%)



- Cyan (23%)
- Magenta (0%)
- Yellow (5%)
- Black (23%)




- Cyan (41%)
- Magenta (23%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4721, 49.6470, 54.4107 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 41.4721, 49.6470, 54.4107 by changing the saturation by 10% instead.





 41.4721, 49.6470,  
54.4107

 41.4721, 49.6470,  
54.4107


343.3189,  
385.2839, 420.8930

 28.8775, 35.1330,  
38.5347


 76.6702, 89.6516,  
98.1395

 19.1320, 23.7653,  
26.0929


 100.0044,  
115.9111, 126.8293

 11.8702, 15.1596,  
16.6668


127.6492,  
146.8544, 160.6275

 6.7269, 8.9315,  
9.8377

159.9699,  
182.8661, 199.9527

 3.3367, 4.6965,  
5.1873

197.3318,  
224.3305, 245.2232

 1.3342, 2.0703,  
2.2969

240.1004,

 0.2086, 0.6479,

271.6320, 296.8578

0.7295

288.6410,  
325.1550, 355.2749

■ 0.0000, 0.0000,  
0.0000

■ 41.4721, 49.6470,  
54.4107

■ 41.4721, 49.6470,  
54.4107

■ 37.7189, 47.7613,  
52.0745

■ 45.8444, 51.8531,  
56.8379

■ 34.5505, 46.1745,  
49.8239

■ 50.8594, 54.3880,  
59.3543

■ 31.9359, 44.8718,  
47.6582

■ 56.5447, 57.2670,  
61.9630

■ 29.8393, 43.8349,  
45.5751

■ 62.9250, 60.5029,  
64.6653

■ 28.2208, 43.0432,  
43.5724

■ 70.0237, 64.1079,  
67.4630

■ 27.0344, 42.4730,  
41.6473

■ 72.6795, 65.4211,  
70.1148

■ 26.2250, 42.0959,  
39.7967

■ 73.1758, 65.6196,  
72.7281

■ 25.8090, 41.9089,  
38.5349

■ 73.6841, 65.8229,  
75.4050

■ 74.2046, 66.0311,  
78.1459

# Harmonies

## Analogous

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



42.1523, 49.6470, 46.2340



41.4721, 49.6470, 54.4107



42.2667, 49.6470, 63.3935

# Triad

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



41.4721, 49.6470, 54.4107



50.3443, 49.6470, 70.0284



50.1219, 49.6470, 40.4286

# Complementary

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



41.4721, 49.6470, 54.4107



40.1785, 36.4085, 38.1698

# 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.



52.4772, 49.6470, 45.6857



41.4721, 49.6470, 54.4107



52.6095, 49.6470, 62.7164

# Square

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



41.4721, 49.6470, 54.4107



47.3113, 49.6470, 72.9983



53.4063, 49.6470, 53.7051



47.0649, 49.6470, 38.7135



# Rectangle

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



41.4721, 49.6470, 54.4107



43.5469, 49.6470, 68.4897



53.4063, 49.6470, 53.7051



51.0266, 49.6470, 41.8095

# Sweetspot

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



41.4735, 49.6490, 54.4118



88.2155, 96.5425, 105.6070



39.9750, 49.2674, 36.6818



18.7617, 20.6034, 22.5443



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

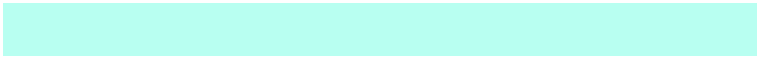


# Same Dimension

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



41.4735, 49.6490, 54.4118



71.2663, 87.9950, 96.2259



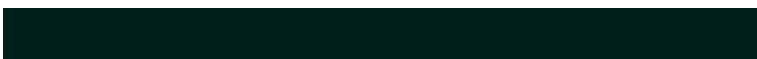
39.7130, 44.5368, 58.7302



10.2794, 11.3928, 12.4746



16.6139, 26.9396, 24.9235



0.7403, 1.1730, 1.1953



# Inverse Universe

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



40.1785, 36.4085, 38.1698



68.4771, 59.4469, 61.2209



41.5833, 40.4332, 34.8919



10.1538, 10.1101, 10.9002



14.8901, 7.6458, 2.0673



0.6683, 0.3403, 0.2209



# Previews

## White Background



This preview shows how the XYZ color 41.4721, 49.6470, 54.4107 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

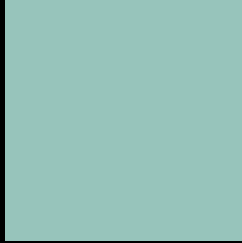
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.4721, 49.6470, 54.4107 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

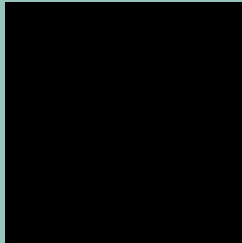
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 41.4721, 49.6470, 54.4107**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.4721, 49.6470, 54.4107.



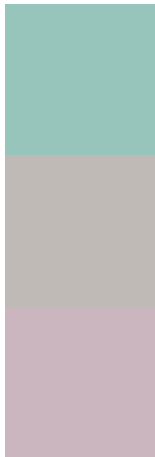
This preview shows how white text looks on a background with the XYZ color 41.4721, 49.6470,



# 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

41.4721, 49.6470, 54.4107

### Protanopia

47.3853, 49.5304, 50.7789

### Deuteranopia

50.4467, 49.4620, 55.6035



## Tritanopia

43.9727, 49.6626, 66.9427

# Trichromacy



## Original Color

41.4721, 49.6470, 54.4107

## Protanomaly

44.8652, 49.4759, 51.9849

## Deuteranomaly

46.5114, 48.9823, 55.1472

## Tritanomaly

43.0435, 49.6237, 61.9533

# Monochromacy



## Original Color

41.4721, 49.6470, 54.4107

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

43.2166, 47.6593, 52.2688

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.4721, 49.6470, 54.4107 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(151, 196, 187)` looks like.

```
.text, #text, p{  
    color:rgb(151, 196, 187)  
}
```

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(151, 196, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 196, 187) }
```

## Border

The CSS property to change the border of an element to XYZ 41.4721, 49.6470, 54.4107 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(151, 196, 187) }
```



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

```
.border{ border-color:rgb(151, 196, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 196, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 196, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 196, 187); box-shadow:4px 4px 4px 4px rgb(151, 196, 187) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.4721, 49.6470, 54.4107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 196, 187) }
```

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

```
.background{ background-color: rgb(151,  
196, 187) }
```

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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