

# Converting Colors

XYZ(42.4535, 54.8601, 49.9852)

Have a look what the booklet for  
XYZ(42.4535, 54.8601, 49.9852)  
contains.

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# Color

**XYZ(42.4133, 54.7950,  
49.9360)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	91D1B1
RGB	145, 209, 177
RGB Percent	57%, 82%, 69%
CMY	0.4314, 0.1804, 0.3059
CMYK	0.31, 0.00, 0.15, 0.18
HSL	150°, 41%, 69%
HSV	150°, 31%, 82%
XYZ	42.4133, 54.7950, 49.9360
YIQ	186.2160, -27.8720, -23.5200

# Conversions

## Conversions Part 2

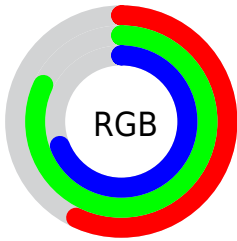
<b>Format</b>	<b>Color</b>
<b>RYB</b>	145, 188, 209
Decimal	9556401
CIELab	78.92, -27.07, 9.43
CIELCh	79, 28.662, 160.800
Yxy	54.7950, 0.2882, 0.3724
Android (android.graphics.Color)	4287746481 (0xFF91D1B1)
YUV	186.2160, -4.5435, -36.1464
Hunter-Lab	74.0236, -27.2663, 11.8198

# Details

The XYZ color **42.4133, 54.7950, 49.9360** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.3576, 36.9817, 46.3975**, and the grayscale version is **46.8302, 49.2691, 53.6540**.

A 20% lighter version of the original color is **74.2874, 89.6826, 90.4859**, and **19.6073, 26.8417, 23.2163** is the 20% darker color. If you saturate the color by 10%, you get **38.0619, 52.6691, 44.5020**, and if you desaturate by 10%, it is **47.5250, 57.3066, 55.8244**.

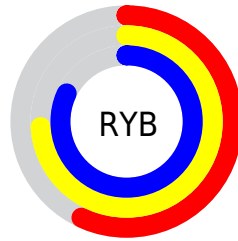
# Distribution



Red (57%)

Green (82%)

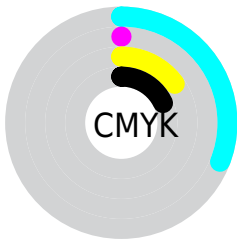
Blue (69%)



Red (57%)

Yellow (74%)

Blue (82%)

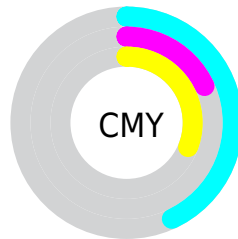


Cyan (31%)

Magenta (0%)

Yellow (15%)

Black (18%)



Cyan (43%)

Magenta (18%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4133, 54.7950, 49.9360 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 42.4133, 54.7950, 49.9360 by changing the saturation by 10% instead.





 42.4133, 54.7950,  
49.9360


 42.4133, 54.7950,  
49.9360


347.1559,  
405.1344, 403.1435

 29.6176, 39.2376,  
34.9917


 78.0860, 97.2405,  
91.4754

 19.6951, 26.9446,  
23.3730


 101.6937,  
124.8975, 118.9075

 12.2806, 17.5316,  
14.6613


129.6361,  
157.3564, 151.3394

 7.0086, 10.6143,  
8.4380

162.2785,  
195.0017, 189.1896

 3.5139, 5.8081,  
4.2847

199.9864,  
238.2177, 232.8765

 1.4310, 2.7287,  
1.7828

243.1250,

 0.2781, 0.9918,

287.3889, 282.8188

0.4166

292.0597,  
342.8997, 339.4349

■ 0.0000, 0.0000,  
0.0000

■ 42.4133, 54.7950,  
49.9360

■ 42.4133, 54.7950,  
49.9360

■ 38.0619, 52.6691,  
44.5020

■ 47.5250, 57.3066,  
55.8244

■ 34.4273, 50.9021,  
39.5076

■ 53.4286, 60.2156,  
62.1742

■ 31.4684, 49.4748,  
34.9425


■ 60.1592, 63.5413,  
68.9968


■ 29.1379, 48.3627,  
30.7944


■ 67.7486, 67.3000,  
76.3022


■ 27.3817, 47.5384,  
27.0505


■ 76.2267, 71.5068,  
84.1000

 26.1361, 46.9692,  
23.6970

 79.7259, 73.1368,  
92.1236

 25.3255, 46.6126,  
20.8920

 81.3213, 73.7749,  
100.5247

 82.0915, 74.0830,  
104.5805

# Harmonies

## Analogous

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



45.2515, 54.7950, 38.9402



42.4133, 54.7950, 49.9360



42.0525, 54.7950, 65.7310

# Triad

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



42.4133, 54.7950, 49.9360



54.1590, 54.7950, 96.0544



60.8137, 54.7950, 41.4345

# Complementary

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



42.4133, 54.7950, 49.9360



44.3576, 36.9817, 46.3975

# 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.



63.5892, 54.7950, 53.9793



42.4133, 54.7950, 49.9360



59.5652, 54.7950, 86.6764

# Square

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



42.4133, 54.7950, 49.9360



48.5638, 54.7950, 94.4312



63.1163, 54.7950, 70.5763



55.7641, 54.7950, 34.6857



# Rectangle

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



42.4133, 54.7950, 49.9360



43.2338, 54.7950, 77.1955



63.1163, 54.7950, 70.5763



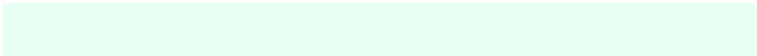
62.0596, 54.7950, 45.0081

# Sweetspot

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



42.4148, 54.7973, 49.9372



85.3120, 95.1870, 99.0864



46.2885, 57.1206, 35.3744



17.9453, 20.2184, 20.8815



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

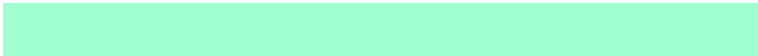


# Same Dimension

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



42.4148, 54.7973, 49.9372



61.7509, 83.6061, 72.4434



45.8563, 56.1739, 68.0599



11.8993, 13.3035, 13.8260



15.6641, 28.7586, 13.1430



0.9159, 1.6240, 0.9458



# Inverse Universe

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



44.3576, 36.9817, 46.3975



65.2877, 51.1731, 65.9993



41.6150, 35.8847, 31.9551



12.0517, 11.9054, 13.5482



17.8187, 9.0003, 9.2171



1.0364, 0.5193, 0.7263



# Previews

## White Background



This preview shows how the XYZ color 42.4133, 54.7950, 49.9360 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

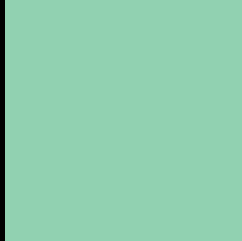
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.4133, 54.7950, 49.9360 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 42.4133, 54.7950, 49.9360**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.4133, 54.7950, 49.9360.



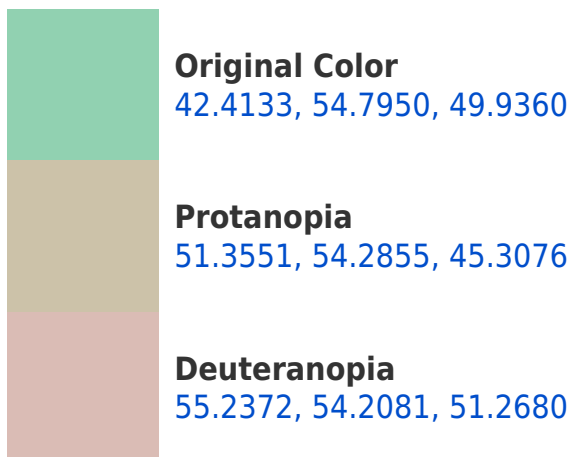
This preview shows how white text looks on a background with the XYZ color 42.4133, 54.7950,

49.9360.

# 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





## Tritanopia

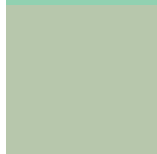
47.4685, 54.6964, 75.0734

# Trichromacy



## Original Color

42.4133, 54.7950, 49.9360



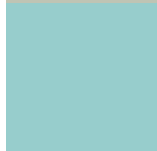
## Protanomaly

47.3983, 53.8927, 46.9339



## Deuteranomaly

49.4640, 53.8515, 50.9674



## Tritanomaly

45.4929, 54.6016, 65.2682

# Monochromacy



## Original Color

42.4133, 54.7950, 49.9360



## Achromatopsia

46.6715, 49.1021, 53.4722



## Achromatomaly

44.6336, 50.6604, 52.2257

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.4133, 54.7950, 49.9360 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(145, 209, 177)` looks like.

```
.text, #text, p{  
    color:rgb(145, 209, 177)  
}
```

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(145, 209, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 209, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 42.4133, 54.7950, 49.9360 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(145, 209, 177) }
```



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

```
.border{ border-color:rgb(145, 209, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 209, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 209, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 209, 177);  
box-shadow:4px 4px 4px 4px rgb(145, 209,  
177) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.4133, 54.7950, 49.9360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 209, 177) }
```

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

```
.background{ background-color: rgb(145,  
209, 177) }
```

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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