

# Converting Colors

XYZ(42.5176, 55.6675, 47.1511)

Have a look what the booklet for  
XYZ(42.5176, 55.6675, 47.1511)  
contains.

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# Color

**XYZ(42.4990, 55.6398,  
47.0277)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92D3AB
RGB	146, 211, 171
RGB Percent	57%, 83%, 67%
CMY	0.4274, 0.1725, 0.3294
CMYK	0.31, 0.00, 0.19, 0.17
HSL	143°, 42%, 70%
HSV	143°, 31%, 83%
XYZ	42.4990, 55.6398, 47.0277
YIQ	187.0050, -25.9000, -26.2200

# Conversions

## Conversions Part 2

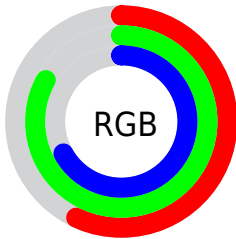
<b>Format</b>	<b>Color</b>
<b>RYB</b>	146, 193, 211
Decimal	9622443
CIELab	79.41, -28.90, 13.32
CIELCh	79, 31.823, 155.262
Yxy	55.6398, 0.2928, 0.3833
Android (android.graphics.Color)	4287812523 (0xFF92D3AB)
YUV	187.0050, -7.8905, -35.9614
Hunter-Lab	74.5921, -28.8354, 14.8342

# Details

The XYZ color **42.4990, 55.6398, 47.0277** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **46.0077, 37.9531, 51.3574**, and the grayscale version is **47.2917, 49.7545, 54.1827**.

A 20% lighter version of the original color is **73.5749, 89.4285, 85.3351**, and **19.7324, 27.4360, 21.7084** is the 20% darker color. If you saturate the color by 10%, you get **37.9113, 53.4124, 40.6667**, and if you desaturate by 10%, it is **47.9036, 58.2774, 54.0641**.

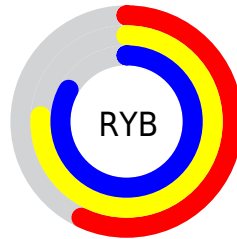
# Distribution



Red (57%)

Green (83%)

Blue (67%)



Red (57%)

Yellow (76%)

Blue (83%)

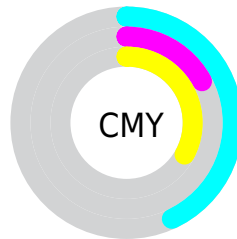


Cyan (31%)

Magenta (0%)

Yellow (19%)

Black (17%)



Cyan (43%)

Magenta (17%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4990, 55.6398, 47.0277 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 42.4990, 55.6398, 47.0277 by changing the saturation by 10% instead.





 42.4990, 55.6398,  
47.0277


 42.4990, 55.6398,  
47.0277


347.5039,  
408.3326, 391.3220

 29.6850, 39.9142,  
32.7031


 78.2147, 98.4777,  
87.1054

 19.7465, 27.4717,  
21.6298


 101.8472,  
126.3589, 113.6955

 12.3181, 17.9278,  
13.3894


129.8165,  
159.0606, 145.2112

 7.0345, 10.8981,  
7.5634

162.4881,  
196.9674, 182.0710

 3.5302, 5.9984,  
3.7331

200.2273,  
240.4636, 224.6934

 1.4399, 2.8441,  
1.4801

243.3994,

 0.2844, 1.0509,

289.9336, 273.4971

0.2030

292.3698,  
345.7618, 328.9004

■ 0.0000, 0.0000,  
0.0000

■ 42.4990, 55.6398,  
47.0277

■ 42.4990, 55.6398,  
47.0277

■ 37.9113, 53.4124,  
40.6667

■ 47.9036, 58.2774,  
54.0641

■ 34.0944, 51.5671,  
34.9573

■ 54.1591, 61.3377,  
61.7914

■ 31.0042, 50.0832,  
29.8794

■ 61.3031, 64.8412,  
70.2294


■ 28.5904, 48.9353,  
25.4106


■ 69.3695, 68.8050,  
79.3958


■ 26.7954, 48.0940,  
21.5272

■ 78.3905, 73.2454,  
89.3078

 25.5515, 47.5251,  
18.2036

 81.6206, 74.6847,  
99.6648

 24.7863, 47.1870,  
15.6163

 82.5853, 75.0706,  
104.7451

# Harmonies

## Analogous

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



46.1083, 55.6398, 36.1693



42.4990, 55.6398, 47.0277



41.5766, 55.6398, 63.8642

# Triad

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



42.4990, 55.6398, 47.0277



54.0178, 55.6398, 102.7722



63.5551, 55.6398, 42.4665

# Complementary

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



42.4990, 55.6398, 47.0277



46.0077, 37.9531, 51.3574

# 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.



66.0754, 55.6398, 57.4148



42.4990, 55.6398, 47.0277



60.2929, 55.6398, 94.0651

# Square

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



42.4990, 55.6398, 47.0277



47.9110, 55.6398, 98.4552



64.8362, 55.6398, 76.5192



58.1897, 55.6398, 33.9310



# Rectangle

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



42.4990, 55.6398, 47.0277



42.5400, 55.6398, 76.8599



64.8362, 55.6398, 76.5192



64.7819, 55.6398, 46.7822

# Sweetspot

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



42.5005, 55.6421, 47.0289



84.9137, 95.0277, 96.9893



48.7545, 59.1160, 36.0356



17.8474, 20.1793, 20.3659



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

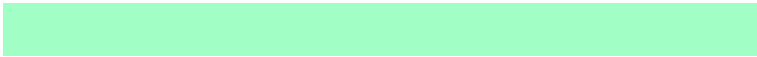


# Same Dimension

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



42.5005, 55.6421, 47.0289



60.4584, 83.0891, 65.6370



45.9793, 57.0336, 65.3483



11.8418, 13.2805, 13.5233



15.0044, 28.4947, 9.6691



0.8773, 1.6086, 0.7425



# Inverse Universe

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



46.0077, 37.9531, 51.3574



66.6722, 51.7269, 73.2900



42.9425, 36.7270, 35.2167



12.1101, 11.9288, 13.8555



18.6894, 9.3486, 13.8022



1.0831, 0.5380, 0.9726



# Previews

## White Background



This preview shows how the XYZ color 42.4990, 55.6398, 47.0277 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

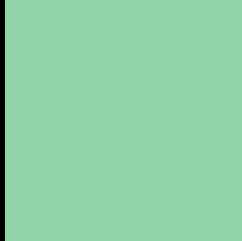
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.4990, 55.6398, 47.0277 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

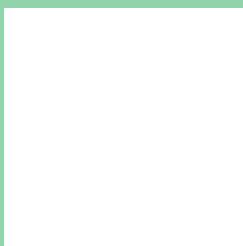
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 42.4990, 55.6398, 47.0277**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.4990, 55.6398, 47.0277.



This preview shows how white text looks on a background with the XYZ color 42.4990, 55.6398,



# 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

42.4990, 55.6398, 47.0277

### Protanopia

51.8581, 54.9400, 42.5216

### Deuteranopia

56.1583, 55.0594, 48.7420



## Tritanopia

48.3543, 55.4741, 76.5656

# Trichromacy



## Original Color

42.4990, 55.6398, 47.0277

## Protanomaly

47.7772, 54.8407, 44.1436

## Deuteranomaly

49.8544, 54.4578, 47.9282

## Tritanomaly

46.0412, 55.6128, 64.8076

# Monochromacy



## Original Color

42.4990, 55.6398, 47.0277

## Achromatopsia

47.2335, 49.6933, 54.1160

## Achromatomaly

45.0937, 51.5867, 51.2966

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.4990, 55.6398, 47.0277 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(146, 211, 171)` looks like.

```
.text, #text, p{  
    color:rgb(146, 211, 171)  
}
```

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(146, 211, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 211, 171) }
```

## Border

The CSS property to change the border of an element to XYZ 42.4990, 55.6398, 47.0277 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(146, 211, 171) }
```



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

```
.border{ border-color:rgb(146, 211, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 211, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 211, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 211, 171);  
box-shadow:4px 4px 4px 4px rgb(146, 211,  
171) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.4990, 55.6398, 47.0277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 211, 171) }
```

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

```
.background{ background-color: rgb(146,  
211, 171) }
```

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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