

# Converting Colors

XYZ(47.7577, 60.6354, 55.3648)

Have a look what the booklet for  
XYZ(47.7577, 60.6354, 55.3648)  
contains.

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# Color

**XYZ(47.8390, 60.8561,  
55.6794)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DDABA
RGB	157, 218, 186
RGB Percent	62%, 85%, 73%
CMY	0.3843, 0.1451, 0.2706
CMYK	0.28, 0.00, 0.15, 0.15
HSL	149°, 45%, 74%
HSV	149°, 28%, 85%
XYZ	47.8390, 60.8561, 55.6794
YIQ	196.1130, -26.0840, -22.8840

# Conversions

## Conversions Part 2

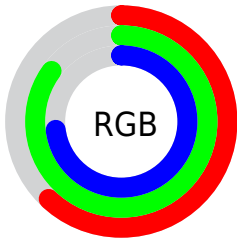
<b>Format</b>	<b>Color</b>
<b>RYB</b>	157, 198, 218
Decimal	10345146
CIELab	82.30, -25.99, 9.55
CIELCh	82, 27.686, 159.820
Yxy	60.8561, 0.2910, 0.3702
Android (android.graphics.Color)	4288535226 (0xFF9DDABA)
YUV	196.1130, -4.9857, -34.3021
Hunter-Lab	78.0103, -27.0548, 12.2893

# Details

The XYZ color **47.8390, 60.8561, 55.6794** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **50.1579, 42.6951, 53.7441**, and the grayscale version is **52.5787, 55.3169, 60.2401**.

A 20% lighter version of the original color is **79.2276, 92.0769, 97.6013**, and **23.0398, 30.8309, 26.9269** is the 20% darker color. If you saturate the color by 10%, you get **42.7919, 58.3908, 49.3490**, and if you desaturate by 10%, it is **53.7457, 63.7566, 62.5607**.

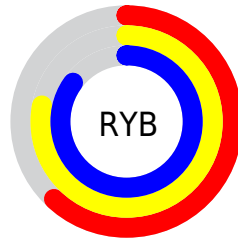
# Distribution



Red (62%)

Green (85%)

Blue (73%)



Red (62%)

Yellow (78%)

Blue (85%)

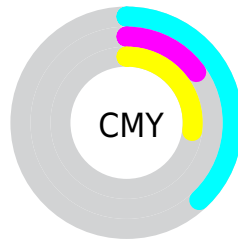


Cyan (28%)

Magenta (0%)

Yellow (15%)

Black (15%)



Cyan (38%)

Magenta (15%)

Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8390, 60.8561, 55.6794 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 47.8390, 60.8561, 55.6794 by changing the saturation by 10% instead.



■ 47.8390, 60.8561,  
55.6794

■ 47.8390, 60.8561,  
55.6794

368.7468,  
427.7462, 425.8365

■ 33.9101, 44.1090,  
39.5437

■ 86.1758, 106.0706,  
100.0168

■ 22.9871, 30.7562,  
26.8719

■ 111.3144,  
135.3067, 129.0555

■ 14.7046, 20.4133,  
17.2454

140.9203,  
169.4748, 163.2323

■ 8.6973, 12.6958,  
10.2458

175.3589,  
208.9590, 202.9658

■ 4.5998, 7.2194,  
5.4545

214.9955,  
254.1439, 248.6743

■ 2.0467, 3.5997,  
2.4530

260.1954,

■ 0.6600, 1.4523,

305.4138, 300.7766

0.8151

311.3241,  
363.1531, 359.6912

0.0000, 0.2548,  
0.0000

0.0000, 0.0000,  
0.0000

47.8390, 60.8561,  
55.6794

47.8390, 60.8561,  
55.6794

42.7919, 58.3908,  
49.3490

53.7457, 63.7566,  
62.5607

38.5567, 56.3314,  
43.5515

60.5465, 67.1049,  
70.0021

35.0886, 54.6568,  
38.2739

68.2801, 70.9223,  
78.0177

32.3364, 53.3407,  
33.5010

76.9814, 75.2266,  
86.6199

■ 30.2418, 52.3536,  
29.2168

■ 82.5183, 77.8874,  
95.6257

■ 28.7370, 51.6607,  
25.4042

■ 84.3018, 78.6008,  
105.0177

■ 27.7262, 51.2129,  
22.0442

■ 84.3625, 78.6251,  
105.3375

■ 27.5528, 51.1372,  
21.4184

# Harmonies

## Analogous

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



50.8807, 60.8561, 44.3198



47.8390, 60.8561, 55.6794



47.3736, 60.8561, 71.9558

# Triad

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



47.8390, 60.8561, 55.6794



59.7973, 60.8561, 103.6845



66.9947, 60.8561, 47.5671

# Complementary

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



47.8390, 60.8561, 55.6794



50.1579, 42.6951, 53.7441

# 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.



69.7488, 60.8561, 60.8767



47.8390, 60.8561, 55.6794



65.4107, 60.8561, 94.4624

# Square

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



47.8390, 60.8561, 55.6794



54.0180, 60.8561, 101.6524



69.1502, 60.8561, 78.1070



61.8421, 60.8561, 40.2176



# Rectangle

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



47.8390, 60.8561, 55.6794



48.5520, 60.8561, 83.7566



69.1502, 60.8561, 78.1070



68.2471, 60.8561, 51.3906

# Sweetspot

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



47.8407, 60.8586, 55.6808



86.2634, 95.6639, 99.7437



52.2781, 63.4670, 41.3942



18.1311, 20.3120, 20.9935



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

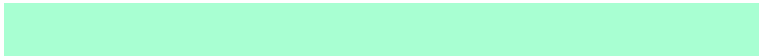


# Same Dimension

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



47.8407, 60.8586, 55.6808



63.5450, 84.5069, 73.6194



51.3685, 62.2697, 74.2579



13.1430, 14.7088, 15.2158



16.5599, 30.6566, 13.1136



1.1162, 2.0034, 1.0779



# Inverse Universe

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



50.1579, 42.6951, 53.7441



67.4081, 54.2202, 70.3865



47.2331, 41.5252, 38.3427



13.3400, 13.1651, 15.0515



19.2091, 9.6847, 10.7472



1.2879, 0.6448, 0.9251



# Previews

## White Background



This preview shows how the XYZ color 47.8390, 60.8561, 55.6794 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

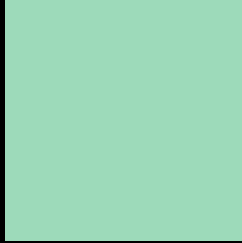
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.8390, 60.8561, 55.6794 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

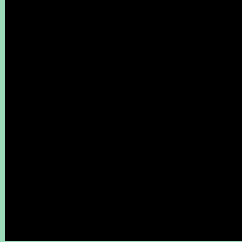
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 47.8390, 60.8561, 55.6794

## Background



This preview shows how black text looks on a background with the XYZ color 47.8390, 60.8561, 55.6794.



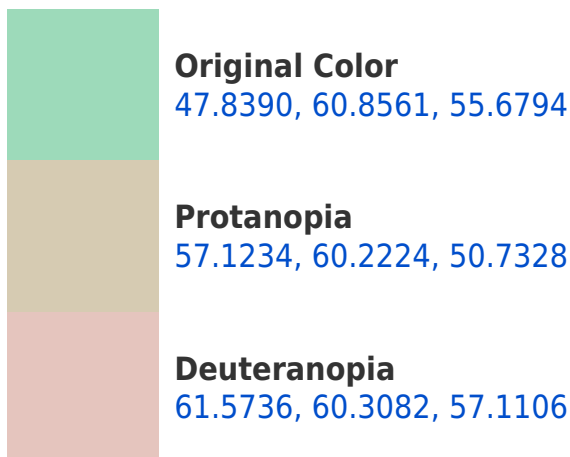
This preview shows how white text looks on a background with the XYZ color 47.8390, 60.8561,

55.6794.

# 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

53.4122, 60.8511, 83.0591

# Trichromacy



## Original Color

47.8390, 60.8561, 55.6794

## Protanomaly

52.8887, 59.7854, 52.4683

## Deuteranomaly

55.6452, 60.0333, 56.7989

## Tritanomaly

51.1611, 60.6838, 71.9675

# Monochromacy



## Original Color

47.8390, 60.8561, 55.6794

## Achromatopsia

52.4687, 55.2011, 60.1140

## Achromatomaly

50.3987, 56.9366, 58.2027

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.8390, 60.8561, 55.6794 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(157, 218, 186)` looks like.

```
.text, #text, p{  
    color:rgb(157, 218, 186)  
}
```

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(157, 218, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 218, 186) }
```

## Border

The CSS property to change the border of an element to XYZ 47.8390, 60.8561, 55.6794 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(157, 218, 186) }
```



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

```
.border{ border-color:rgb(157, 218, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 218, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 218, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 218, 186); box-shadow:4px 4px 4px 4px rgb(157, 218, 186) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.8390, 60.8561, 55.6794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 218, 186) }
```

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

```
.background{ background-color: rgb(157,  
218, 186) }
```

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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