

# Converting Colors

XYZ(40.7311, 55.9830, 33.9505)

Have a look what the booklet for  
XYZ(40.7311, 55.9830, 33.9505)  
contains.

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# Color

**XYZ(40.8869, 56.2193,  
33.8957)**

# Conversions

## Conversions Part 1

Format	Color
Hex	93D68D
RGB	147, 214, 141
RGB Percent	58%, 84%, 55%
CMY	0.4235, 0.1608, 0.4471
CMYK	0.31, 0.00, 0.34, 0.16
HSL	115°, 47%, 70%
HSV	115°, 34%, 84%
XYZ	40.8869, 56.2193, 33.8957
YIQ	185.6450, -16.4990, -36.9070

# Conversions

## Conversions Part 2

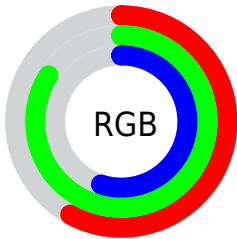
<b>Format</b>	<b>Color</b>
<b>RYB</b>	141, 214, 208
Decimal	9688717
CIELab	79.74, -35.22, 29.52
CIELCh	80, 45.956, 140.035
Yxy	56.2193, 0.3121, 0.4291
Android (android.graphics.Color)	4287878797 (0xFF93D68D)
YUV	185.6450, -22.0100, -33.8917
Hunter-Lab	74.9795, -33.8768, 25.6827

# Details

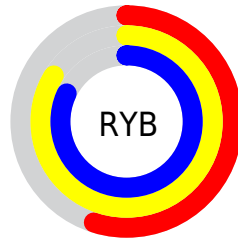
The XYZ color **40.8869, 56.2193, 33.8957** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.6774, 37.3164, 68.3113**, and the grayscale version is **46.6005, 49.0274, 53.3908**.

A 20% lighter version of the original color is **70.2389, 88.1566, 64.9437**, and **18.8597, 27.9141, 14.0668** is the 20% darker color. If you saturate the color by 10%, you get **36.2197, 53.9815, 26.1533**, and if you desaturate by 10%, it is **46.4661, 58.8950, 43.2892**.

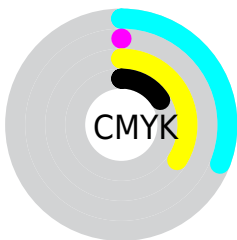
# Distribution



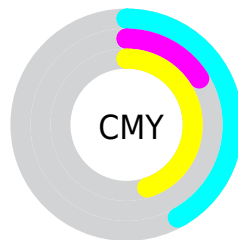
- Red (58%)
- Green (84%)
- Blue (55%)



- Red (55%)
- Yellow (84%)
- Blue (82%)



- Cyan (31%)
- Magenta (0%)
- Yellow (34%)
- Black (16%)




- Cyan (42%)
- Magenta (16%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8869, 56.2193, 33.8957 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 40.8869, 56.2193, 33.8957 by changing the saturation by 10% instead.





 40.8869, 56.2193,  
33.8957


 40.8869, 56.2193,  
33.8957


340.9184,  
410.5174, 334.4217


 28.4180, 40.3788,  
22.5368


 75.7880, 99.3251,  
66.9035

 18.7831, 27.8340,  
14.0498


 98.9508, 127.3593,  
89.3894

 11.6167, 18.2006,  
8.0161

 126.4091,  
160.2267, 116.4214

 6.5536, 11.0941,  
4.0174

158.5281,  
198.3118, 148.4181

 3.2283, 6.1301,  
1.6349

195.6731,  
241.9991, 185.7979

 1.2756, 2.9244,  
0.3155

238.2096,

 0.1649, 1.0924,

291.6728, 228.9794

0.0000

286.5029,  
347.7175, 278.3811

■ 0.0000, 0.0000,  
0.0000

■ 40.8869, 56.2193,  
33.8957

■ 40.8869, 56.2193,  
33.8957

■ 36.2197, 53.9815,  
26.1533

■ 46.4661, 58.8950,  
43.2892

■ 32.4118, 52.1515,  
19.9631

■ 52.9977, 62.0227,  
54.4175

■ 29.4118, 50.7068,  
15.2216

■ 60.5250, 65.6243,  
67.3632

■ 27.1611, 49.6197,  
11.8110

■ 69.0871, 69.7187,  
82.2025

■ 25.5930, 48.8587,  
9.5951

■ 78.7214, 74.3234,  
99.0073

■ 24.6287, 48.3868,  
8.4089

■ 83.3377, 76.5754,  
104.9959

■ 24.2895, 48.2201,  
8.0272

# Harmonies

## Analogous

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



47.5492, 56.2193, 24.6483



40.8869, 56.2193, 33.8957



37.7100, 56.2193, 52.7849

# Triad

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



40.8869, 56.2193, 33.8957



50.4045, 56.2193, 126.6393



72.0226, 56.2193, 45.3152

# Complementary

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



40.8869, 56.2193, 33.8957



47.6774, 37.3164, 68.3113

# 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.



73.0166, 56.2193, 70.4941



40.8869, 56.2193, 33.8957



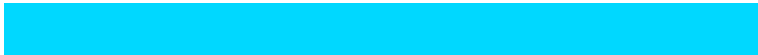
59.7870, 56.2193, 122.9057

# Square

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



40.8869, 56.2193, 33.8957



42.7686, 56.2193, 109.3551



68.3183, 56.2193, 100.2765



65.7415, 56.2193, 29.7945



# Rectangle

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



40.8869, 56.2193, 33.8957



37.7130, 56.2193, 70.5610



68.3183, 56.2193, 100.2765



73.0120, 56.2193, 52.7299

# Sweetspot

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



40.8883, 56.2217, 33.8969



83.1203, 94.2933, 88.3148



55.0774, 61.2932, 34.1280



17.4589, 20.0236, 18.3325



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

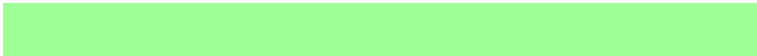


# Same Dimension

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



40.8883, 56.2217, 33.8969



55.6075, 81.1116, 41.7698



42.4233, 56.7146, 47.4493



12.3560, 13.9442, 13.2010



14.7163, 29.1629, 4.8534



0.9212, 1.7763, 0.2943



# Inverse Universe

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



47.6774, 37.3164, 68.3113



67.1780, 48.8435, 100.4948



45.8665, 36.7906, 49.8045



12.8477, 12.5784, 15.6882



21.2042, 10.0837, 39.2819



1.3093, 0.6239, 2.3707



# Previews

## White Background



This preview shows how the XYZ color 40.8869, 56.2193, 33.8957 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 40.8869, 56.2193, 33.8957 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 40.8869, 56.2193, 33.8957**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.8869, 56.2193, 33.8957.



This preview shows how white text looks on a background with the XYZ color 40.8869, 56.2193,



# 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

40.8869, 56.2193, 33.8957

### Protanopia

51.7099, 55.7999, 30.5993

### Deuteranopia

56.7428, 55.6576, 35.3561



## **Tritanopia**

49.2091, 55.9301, 75.9121

# Trichromacy



## Original Color

40.8869, 56.2193, 33.8957



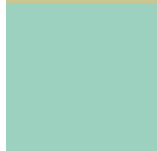
## Protanomaly

46.8576, 55.3368, 31.8783



## Deuteranomaly

49.3923, 54.8500, 34.7719



## Tritanomaly

45.6701, 55.9413, 57.6809

# Monochromacy



## Original Color

40.8869, 56.2193, 33.8957



## Achromatopsia

46.6715, 49.1021, 53.4722



## Achromatomaly

44.0089, 51.1528, 45.5842

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.8869, 56.2193, 33.8957 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(147, 214, 141)` looks like.

```
.text, #text, p{  
    color:rgb(147, 214, 141)  
}
```

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(147, 214, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 214, 141) }
```

## Border

The CSS property to change the border of an element to XYZ 40.8869, 56.2193, 33.8957 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(147, 214, 141) }
```



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

```
.border{ border-color:rgb(147, 214, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 214, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 214, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 214, 141);  
box-shadow:4px 4px 4px 4px rgb(147, 214,  
141) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.8869, 56.2193, 33.8957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 214, 141) }
```

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

```
.background{ background-color: rgb(147,  
214, 141) }
```

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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