

# Converting Colors

XYZ(37.8217, 55.5534, 44.1314)

Have a look what the booklet for  
XYZ(37.8217, 55.5534, 44.1314)  
contains.

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# Color

**XYZ(37.9111, 55.5935,  
44.3298)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6DD9A5
RGB	109, 217, 165
RGB Percent	43%, 85%, 65%
CMY	0.5725, 0.1490, 0.3529
CMYK	0.50, 0.00, 0.24, 0.15
HSL	151°, 59%, 64%
HSV	151°, 50%, 85%
XYZ	37.9111, 55.5935, 44.3298
YIQ	178.7800, -47.6760, -39.0680

# Conversions

## Conversions Part 2

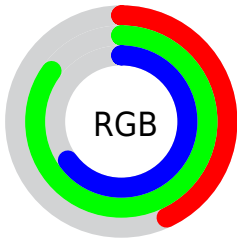
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">109, 180, 217</a>
Decimal	<a href="#">7199141</a>
<a href="#">CIELab</a>	<a href="#">79.38, -43.07, 16.22</a>
<a href="#">CIElCh</a>	<a href="#">79, 46.027, 159.366</a>
<a href="#">Yxy</a>	<a href="#">55.5935, 0.2750, 0.4033</a>
Android (android.graphics.Color)	<a href="#">4285389221</a> ( <a href="#">0xFF6DD9A5</a> )
<a href="#">YUV</a>	<a href="#">178.7800, -6.7935, -61.1971</a>
<a href="#">Hunter-Lab</a>	<a href="#">74.5610, -39.7222, 16.9422</a>

# Details

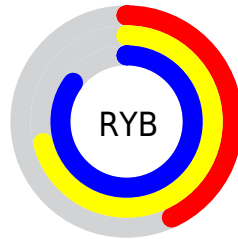
The XYZ color **37.9111, 55.5935, 44.3298** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **40.5188, 28.2636, 37.0404**, and the grayscale version is **42.7851, 45.0132, 49.0194**.

A 20% lighter version of the original color is **64.4042, 84.7943, 80.6826**, and **16.9444, 27.3104, 20.0011** is the 20% darker color. If you saturate the color by 10%, you get **34.6516, 54.0201, 39.4146**, and if you desaturate by 10%, it is **41.9102, 57.5422, 49.6877**.

# Distribution



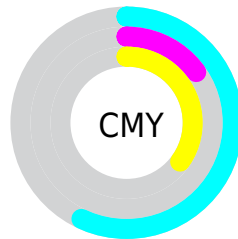
- Red (43%)
- Green (85%)
- Blue (65%)



- Red (43%)
- Yellow (71%)
- Blue (85%)



- Cyan (50%)
- Magenta (0%)
- Yellow (24%)
- Black (15%)




- Cyan (57%)
- Magenta (15%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9111, 55.5935, 44.3298 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 37.9111, 55.5935, 44.3298 by changing the saturation by 10% instead.





 37.9111, 55.5935,  
44.3298


 37.9111, 55.5935,  
44.3298


328.5259,  
408.1578, 380.1331


 26.0906, 39.8771,  
30.5908


 71.2766, 98.4100,  
83.0215

 17.0245, 27.4427,  
20.0316


 93.5524, 126.2789,  
108.8113

 10.3473, 17.9060,  
12.2337


 120.0439,  
158.9673, 139.4551

 5.6939, 10.8825,  
6.7786

151.1166,  
196.8598, 175.3715

 2.6987, 5.9879,  
3.2477

187.1358,  
240.3407, 216.9789

 0.9965, 2.8377,  
1.2224

228.4668,

 0.0000, 1.0476,

289.7944, 264.6959

0.0000

275.4751,  
345.6053, 318.9412

■ 0.0000, 0.0000,  
0.0000

■ 37.9111, 55.5935,  
44.3298

■ 37.9111, 55.5935,  
44.3298

■ 34.6516, 54.0201,  
39.4146

■ 41.9102, 57.5422,  
49.6877

■ 32.0759, 52.7890,  
34.9262

■ 46.6907, 59.8830,  
55.4959

■ 30.1274, 51.8726,  
30.8532


■ 52.2961, 62.6397,  
61.7667


■ 28.7373, 51.2358,  
27.1819


■ 58.7656, 65.8323,  
68.5107


■ 27.7872, 50.8177,  
23.8959


■ 66.1358, 69.4794,  
75.7381

 27.7674, 50.8091,  
23.8243

 74.4409, 73.5986,  
83.4586

 81.5074, 77.0691,  
91.5786

 83.0890, 77.7017,  
99.9071

 84.1038, 78.1077,  
105.2513

# Harmonies

## Analogous

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



42.3642, 55.5935, 29.1277



37.9111, 55.5935, 44.3298



37.1929, 55.5935, 69.1856

# Triad

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



37.9111, 55.5935, 44.3298



55.7810, 55.5935, 125.8018



67.7817, 55.5935, 33.6791

# Complementary

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



37.9111, 55.5935, 44.3298



40.5188, 28.2636, 37.0404

# 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.



72.3553, 55.5935, 52.6316



37.9111, 55.5935, 44.3298



64.9143, 55.5935, 108.9404

# Square

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



37.9111, 55.5935, 44.3298



46.8296, 55.5935, 121.6423



71.2489, 55.5935, 80.2669



59.3437, 55.5935, 24.3381



# Rectangle

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



37.9111, 55.5935, 44.3298



38.8337, 55.5935, 89.0330



71.2489, 55.5935, 80.2669



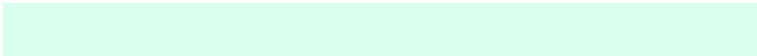
69.8642, 55.5935, 38.8723

# Sweetspot

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



37.9126, 55.5958, 44.3311



79.5262, 92.3235, 93.4303



42.3133, 58.3301, 23.4976



16.6057, 19.5557, 19.5599



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.



37.9126, 55.5958, 44.3311



49.6140, 77.6946, 56.2760



43.1843, 56.9661, 74.3677



13.1670, 14.7184, 15.3425



16.8620, 30.7774, 14.7044



1.1359, 2.0113, 1.1816



# Inverse Universe

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



40.5188, 28.2636, 37.0404



53.7951, 33.8842, 44.6077



37.0399, 27.1824, 17.7634



13.3159, 13.1555, 14.9247



18.9026, 9.5621, 9.1328



1.2680, 0.6368, 0.8202



# Previews

## White Background



This preview shows how the XYZ color 37.9111, 55.5935, 44.3298 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

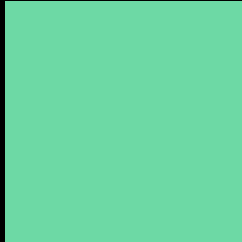
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.9111, 55.5935, 44.3298 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 37.9111, 55.5935, 44.3298**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.9111, 55.5935, 44.3298.



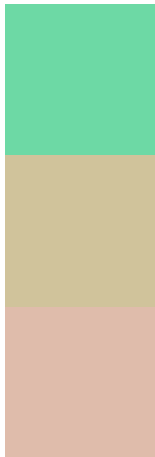
This preview shows how white text looks on a background with the XYZ color 37.9111, 55.5935,



# 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

37.9111, 55.5935, 44.3298

### Protanopia

51.4439, 54.8067, 38.8777

### Deuteranopia

55.7653, 54.5947, 46.1268



## Tritanopia

45.1321, 55.5275, 80.2907

# Trichromacy



## Original Color

37.9111, 55.5935, 44.3298



## Protanomaly

44.6272, 53.9857, 40.8691



## Deuteranomaly

46.8763, 53.6565, 45.4222



## Tritanomaly

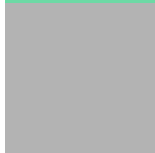
42.1883, 55.4397, 65.6041

# Monochromacy



## Original Color

37.9111, 55.5935, 44.3298



## Achromatopsia

42.8472, 45.0786, 49.0906



## Achromatomaly

40.0364, 48.0659, 47.2119

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.9111, 55.5935, 44.3298 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(109, 217, 165)` looks like.

```
.text, #text, p{  
    color:rgb(109, 217, 165)  
}
```

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(109, 217, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 217, 165) }
```

## Border

The CSS property to change the border of an element to XYZ 37.9111, 55.5935, 44.3298 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(109, 217, 165) }
```



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

```
.border{ border-color:rgb(109, 217, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 217, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 217, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 217, 165);  
box-shadow:4px 4px 4px 4px rgb(109, 217,  
165) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.9111, 55.5935, 44.3298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 217, 165) }
```

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

```
.background{ background-color: rgb(109,  
217, 165) }
```

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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