

# Converting Colors

XYZ(55.4170, 62.8112, 88.9451)

Have a look what the booklet for  
XYZ(55.4170, 62.8112, 88.9451)  
contains.

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# Color

**XYZ(55.5229, 62.9308,  
89.3413)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A7D7ED
RGB	167, 215, 237
RGB Percent	65%, 84%, 93%
CMY	0.3451, 0.1568, 0.0706
CMYK	0.30, 0.09, 0.00, 0.07
HSL	199°, 66%, 79%
HSV	199°, 30%, 93%
XYZ	55.5229, 62.9308, 89.3413
YIQ	203.1560, -35.6700, -3.3340

# Conversions

## Conversions Part 2

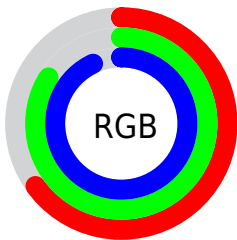
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	167, 195, 237
Decimal	10999789
CIE <sub>Lab</sub>	83.41, -10.50, -15.85
CIE <sub>LCh</sub>	83, 19.012, 236.471
Y <sub>xy</sub>	62.9308, 0.2672, 0.3029
Android (android.graphics.Color)	4289189869 (0xFFA7D7ED)
Y <sub>UV</sub>	203.1560, 16.6851, -31.7088
Hunter-Lab	79.3289, -13.8922, -11.2429

# Details

The XYZ color **55.5229, 62.9308, 89.3413** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **60.0987, 57.1905, 44.4322**, and the grayscale version is **56.7788, 59.7358, 65.0522**.

A 20% lighter version of the original color is **84.5505, 94.5873, 108.4086**, and **27.7213, 31.9885, 48.4294** is the 20% darker color. If you saturate the color by 10%, you get **49.1143, 56.8768, 88.5116**, and if you desaturate by 10%, it is **62.9391, 69.6355, 90.2456**.

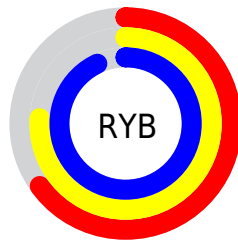
# Distribution



Red (65%)

Green (84%)

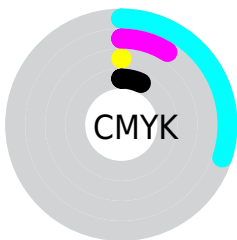
Blue (93%)



Red (65%)

Yellow (76%)

Blue (93%)

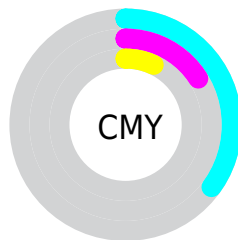


Cyan (30%)

Magenta (9%)

Yellow (0%)

Black (7%)



Cyan (35%)

Magenta (16%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.5229, 62.9308, 89.3413 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 55.5229, 62.9308, 89.3413 by changing the saturation by 10% instead.



■ 55.5229, 62.9308,  
89.3413

■ 55.5229, 62.9308,  
89.3413

397.9953,  
435.3183, 546.4005

■ 40.0560, 45.7852,  
66.8638

■ 97.4505, 109.0697,  
148.3506

■ 27.7666, 32.0764,  
48.5131

■ 124.6420,  
138.8318, 185.7195

■ 18.2894, 21.4198,  
33.8705

156.4724,  
173.5681, 228.8893

■ 11.2589, 13.4312,  
22.5176

193.3070,  
213.6632, 278.2785

■ 6.3098, 7.7262,  
14.0358

235.5112,  
259.5014, 334.3057

■ 3.0768, 3.9202,  
8.0065

283.4505,

■ 1.1945, 1.6290,

311.4670, 397.3894

4.0113

337.4900,  
369.9445, 467.9482

■ 0.1020, 0.3771,  
1.6315

■ 0.0000, 0.0000,  
0.3132

■ 55.5229, 62.9308,  
89.3413

■ 55.5229, 62.9308,  
89.3413

■ 49.1143, 56.8768,  
88.5116

■ 62.9391, 69.6355,  
90.2456

■ 43.6564, 51.4379,  
87.7494

■ 71.4048, 77.0094,  
91.2227

■ 39.0949, 46.5859,  
87.0533

■ 80.9661, 85.0797,  
92.2765

■ 35.3673, 42.2868,  
86.4200

■ 89.1170, 92.5559,  
93.2900

■ 32.4026, 38.5022,  
85.8458

■ 91.4133, 97.1485,  
94.0554

■ 30.1164, 35.1869,  
85.3263

■ 92.2863, 98.8945,  
94.3464

■ 28.3739, 32.2693,  
84.8550

■ 28.2987, 32.1394,  
84.8339

# Harmonies

## Analogous

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



52.9659, 62.9308, 79.1961



55.5229, 62.9308, 89.3413



59.3251, 62.9308, 93.8931

# Triad

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



55.5229, 62.9308, 89.3413



68.1179, 62.9308, 69.9340



56.3345, 62.9308, 50.0688

# Complementary

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



55.5229, 62.9308, 89.3413



60.0987, 57.1905, 44.4322

# 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.



60.3052, 62.9308, 48.1884



55.5229, 62.9308, 89.3413



67.2279, 62.9308, 58.8510

# Square

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



55.5229, 62.9308, 89.3413



66.6996, 62.9308, 81.9035



64.3203, 62.9308, 51.2160



53.4191, 62.9308, 56.6818



# Rectangle

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



55.5229, 62.9308, 89.3413



62.0999, 62.9308, 92.7963



64.3203, 62.9308, 51.2160



57.5846, 62.9308, 48.8977

# Sweetspot

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



55.5248, 62.9333, 89.3427



84.8471, 91.3886, 107.7756



55.2991, 72.4160, 58.6417



17.8292, 19.2766, 23.0310



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

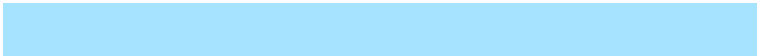


# Same Dimension

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



55.5248, 62.9333, 89.3427



61.1796, 70.2122, 104.9355



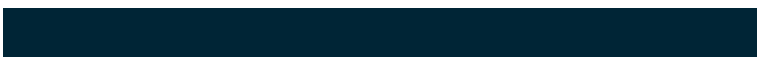
47.7478, 47.3794, 86.7504



15.0953, 16.2770, 19.2684



15.5725, 17.7921, 46.3564



1.3083, 1.5680, 3.6686



# Inverse Universe

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



61.0111, 50.5500, 70.8342



68.6894, 53.9851, 79.4385



68.2891, 73.5713, 47.1623



15.5016, 15.2285, 17.9269



22.7156, 11.2889, 20.1015

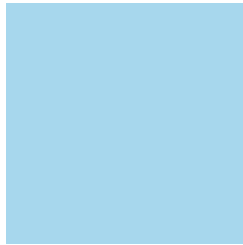


1.8269, 0.9037, 1.8056



# Previews

## White Background



This preview shows how the XYZ color 55.5229, 62.9308, 89.3413 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

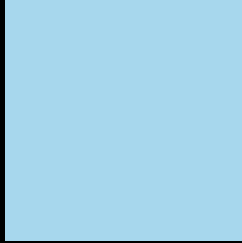
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.5229, 62.9308, 89.3413 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

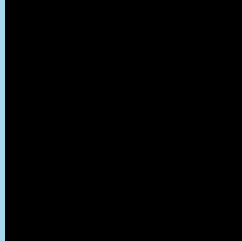
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 55.5229, 62.9308, 89.3413

## Background



This preview shows how black text looks on a background with the XYZ color 55.5229, 62.9308, 89.3413.



This preview shows how white text looks on a background with the XYZ color 55.5229, 62.9308,



# 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

55.5229, 62.9308, 89.3413

### Protanopia

61.3970, 62.7495, 84.4772

### Deuteranopia

64.0001, 62.5294, 91.1343



## Tritanopia

54.9897, 63.1019, 86.3724

# Trichromacy



## Original Color

55.5229, 62.9308, 89.3413

## Protanomaly

58.9943, 62.5605, 86.0568

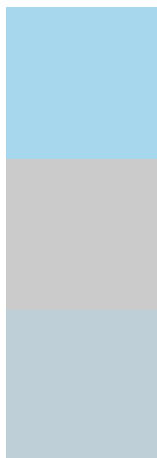
## Deuteranomaly

60.6578, 62.5934, 90.5461

## Tritanomaly

55.1330, 63.1592, 87.1270

# Monochromacy



## Original Color

55.5229, 62.9308, 89.3413

## Achromatopsia

56.7640, 59.7202, 65.0353

## Achromatomaly

55.8138, 60.4791, 73.0219

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.5229, 62.9308, 89.3413 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(167, 215, 237)` looks like.

```
.text, #text, p{  
    color:rgb(167, 215, 237)  
}
```

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(167, 215, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 215, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 55.5229, 62.9308, 89.3413 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".

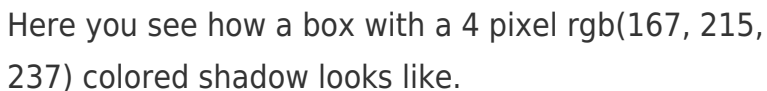
```
.border, #border, table{ border:4px solid rgb(167, 215, 237) }
```



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

```
.border{ border-color:rgb(167, 215, 237) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 215, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 215, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 215, 237);  
box-shadow:4px 4px 4px 4px rgb(167, 215,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.5229, 62.9308, 89.3413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 215, 237) }
```

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

```
.background{ background-color: rgb(167,  
215, 237) }
```

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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