

# Converting Colors

XYZ(55.2228, 66.0959, 87.7006)

Have a look what the booklet for  
XYZ(55.2228, 66.0959, 87.7006)  
contains.

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# Color

**XYZ(55.1436, 65.8840,  
87.6524)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DDFEA
RGB	157, 223, 234
RGB Percent	62%, 87%, 92%
CMY	0.3843, 0.1255, 0.0823
CMYK	0.33, 0.05, 0.00, 0.08
HSL	189°, 65%, 77%
HSV	189°, 33%, 92%
XYZ	55.1436, 65.8840, 87.6524
YIQ	204.5200, -42.8670, -10.5710

# Conversions

## Conversions Part 2

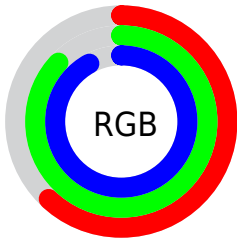
<b>Format</b>	<b>Color</b>
<b>RYB</b>	157, 193, 234
Decimal	10346474
CIELab	84.94, -18.06, -12.02
CIELCh	85, 21.691, 213.655
Yxy	65.8840, 0.2642, 0.3157
Android (android.graphics.Color)	4288536554 (0xFF9DDFEA)
YUV	204.5200, 14.5336, -41.6750
Hunter-Lab	81.1690, -20.7785, -7.2076

# Details

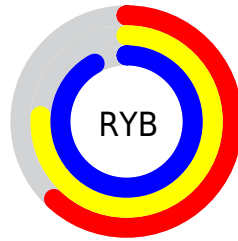
The XYZ color **55.1436, 65.8840, 87.6524** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.0210, 47.9326, 38.3045**, and the grayscale version is **57.6555, 60.6580, 66.0566**.

A 20% lighter version of the original color is **81.5416, 93.0361, 108.2678**, and **27.5180, 34.0444, 47.2404** is the 20% darker color. If you saturate the color by 10%, you get **50.1245, 61.9855, 87.1656**, and if you desaturate by 10%, it is **61.0586, 70.2737, 88.1891**.

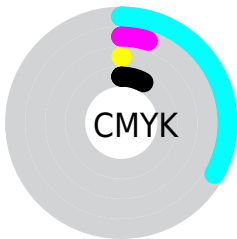
# Distribution



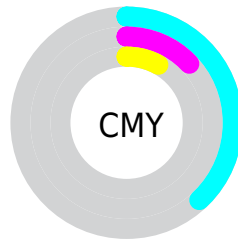
- Red (62%)
- Green (87%)
- Blue (92%)



- Red (62%)
- Yellow (76%)
- Blue (92%)



- Cyan (33%)
- Magenta (5%)
- Yellow (0%)
- Black (8%)



- Cyan (38%)
- Magenta (13%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.1436, 65.8840, 87.6524 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 55.1436, 65.8840, 87.6524 by changing the saturation by 10% instead.



■ 55.1436, 65.8840,  
87.6524

■ 55.1436, 65.8840,  
87.6524

396.5836,  
445.9619, 540.7360

■ 39.7510, 48.1782,  
65.4725

■ 96.8984, 113.3198,  
145.9800

■ 27.5278, 33.9681,  
47.3906

■ 123.9913,  
143.8187, 182.9648

■ 18.1086, 22.8691,  
32.9880

155.7151,  
179.3507, 225.7217

■ 11.1282, 14.4969,  
21.8462

192.4350,  
220.3003, 274.6692

■ 6.2210, 8.4670,  
13.5467

234.5165,  
267.0518, 330.2258

■ 3.0219, 4.3952,  
7.6709

282.3248,

■ 1.1653, 1.8970,

319.9896, 392.8102

3.8004

336.2254,  
379.4982, 462.8407

■ 0.0787, 0.5466,  
1.5165

■ 0.0000, 0.0000,  
0.2302

■ 55.1436, 65.8840,  
87.6524

■ 55.1436, 65.8840,  
87.6524

■ 50.1245, 61.9855,  
87.1656

■ 61.0586, 70.2737,  
88.1891

■ 45.9451, 58.5444,  
86.7217

■ 67.9098, 75.1706,  
88.7732

■ 42.5522, 55.5347,  
86.3195

■ 75.7420, 80.5998,  
89.4083

■ 39.8839, 52.9241,  
85.9563

■ 84.5955, 86.5821,  
90.0964

■ 37.8687, 50.6758,  
85.6285

■ 87.1677, 89.3530,  
90.4956

■ 36.4200, 48.7450,  
85.3322

■ 88.1592, 91.3359,  
90.8261

■ 35.6404, 47.5183,  
85.1365

■ 89.1688, 93.3552,  
91.1627

■ 90.1968, 95.4112,  
91.5053

■ 91.2431, 97.5039,  
91.8541

# Harmonies

## Analogous

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



53.7311, 65.8840, 73.4601



55.1436, 65.8840, 87.6524



58.5556, 65.8840, 98.5591

# Triad

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



55.1436, 65.8840, 87.6524



71.3946, 65.8840, 84.3108



62.0256, 65.8840, 48.1590

# Complementary

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



55.1436, 65.8840, 87.6524



54.0210, 47.9326, 38.3045

# 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.



66.8698, 65.8840, 50.2836



55.1436, 65.8840, 87.6524



72.4406, 65.8840, 70.0401

# Square

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



55.1436, 65.8840, 87.6524



67.9561, 65.8840, 96.4609



70.7450, 65.8840, 57.8742



57.5723, 65.8840, 51.6450

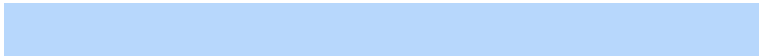


# Rectangle

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



55.1436, 65.8840, 87.6524



61.5914, 65.8840, 101.8348



70.7450, 65.8840, 57.8742



63.6616, 65.8840, 48.2432

# Sweetspot

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



55.1456, 65.8866, 87.6539



85.1320, 93.1786, 108.1061



50.3286, 68.8149, 47.3202



17.9445, 19.7503, 23.1164



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

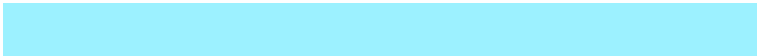


# Same Dimension

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



55.1456, 65.8866, 87.6539



63.0683, 77.0330, 106.1525



46.1552, 47.9058, 84.6571



15.3236, 16.7337, 19.3445



20.0988, 26.8447, 47.8652



1.6285, 2.2084, 3.7753



# Inverse Universe

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



59.3096, 46.9357, 75.7485



68.8998, 51.2249, 89.3154



62.0340, 63.9585, 40.9755



15.6169, 15.2746, 18.5339



25.0003, 12.2028, 32.1324



1.9885, 0.9684, 2.6567



# Previews

## White Background



This preview shows how the XYZ color 55.1436, 65.8840, 87.6524 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

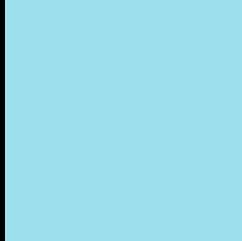
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.1436, 65.8840, 87.6524 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

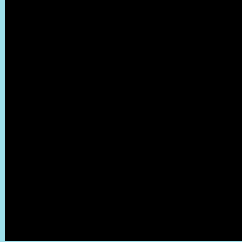
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 55.1436, 65.8840, 87.6524

## Background



This preview shows how black text looks on a background with the XYZ color 55.1436, 65.8840, 87.6524.



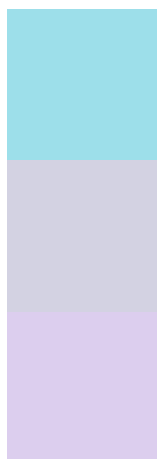
This preview shows how white text looks on a background with the XYZ color 55.1436, 65.8840,



# 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

55.1436, 65.8840, 87.6524

### Protanopia

63.6380, 65.4331, 81.2273

### Deuteranopia

67.0191, 65.5313, 90.0054



## Tritanopia

55.9500, 65.8029, 92.1904

# Trichromacy



## Original Color

55.1436, 65.8840, 87.6524

## Protanomaly

59.9292, 65.3344, 83.5809

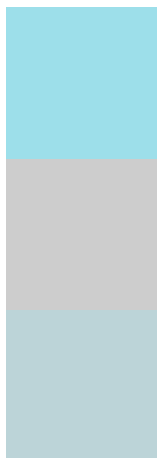
## Deuteranomaly

61.8555, 65.0717, 89.4207

## Tritanomaly

55.6544, 65.6847, 90.6340

# Monochromacy



## Original Color

55.1436, 65.8840, 87.6524

## Achromatopsia

58.0276, 61.0496, 66.4830

## Achromatomaly

56.6772, 62.7362, 74.0878

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.1436, 65.8840, 87.6524 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, 223, 234)` looks like.

```
.text, #text, p{  
    color:rgb(157, 223, 234)  
}
```

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, 223, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 223, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 55.1436, 65.8840, 87.6524 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, 223, 234) }
```



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

```
.border{ border-color:rgb(157, 223, 234) }
```

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

Here you see how a box with a 4 pixel rgb(157, 223, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 223, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 223, 234);  
box-shadow:4px 4px 4px 4px rgb(157, 223,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.1436, 65.8840, 87.6524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 223, 234) }
```

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

```
.background{ background-color: rgb(157,  
223, 234) }
```

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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