

# Converting Colors

XYZ(53.8563, 63.4971, 86.8034)

Have a look what the booklet for  
XYZ(53.8563, 63.4971, 86.8034)  
contains.

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# Color

**XYZ(53.9441, 63.7143,  
86.5457)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DDBE9
RGB	157, 219, 233
RGB Percent	62%, 86%, 91%
CMY	0.3843, 0.1412, 0.0863
CMYK	0.33, 0.06, 0.00, 0.09
HSL	191°, 63%, 76%
HSV	191°, 33%, 91%
XYZ	53.9441, 63.7143, 86.5457
YIQ	202.0580, -41.4460, -8.7900

# Conversions

## Conversions Part 2

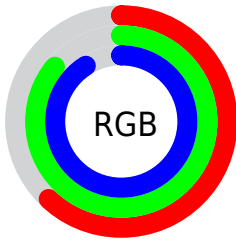
<b>Format</b>	<b>Color</b>
<b>RYB</b>	157, 191, 233
Decimal	10345449
CIELab	83.82, -16.27, -13.17
CIELCh	84, 20.932, 218.978
Yxy	63.7143, 0.2642, 0.3120
Android (android.graphics.Color)	4288535529 (0xFF9DDBE9)
YUV	202.0580, 15.2544, -39.5159
Hunter-Lab	79.8212, -19.0548, -8.4100

# Details

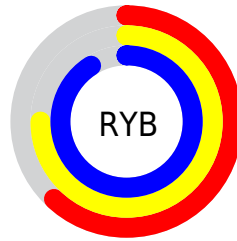
The XYZ color **53.9441, 63.7143, 86.5457** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.2539, 48.8844, 38.4759**, and the grayscale version is **56.1031, 59.0248, 64.2780**.

A 20% lighter version of the original color is **81.5416, 93.0361, 108.2678**, and **26.8048, 32.6088, 46.4763** is the 20% darker color. If you saturate the color by 10%, you get **48.7198, 59.3819, 85.9859**, and if you desaturate by 10%, it is **60.0680, 68.5564, 87.1586**.

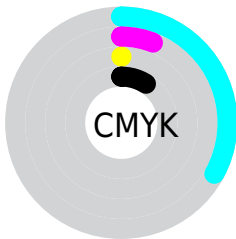
# Distribution



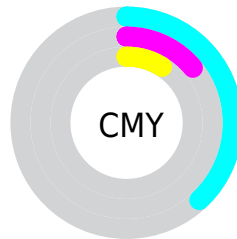
- Red (62%)
- Green (86%)
- Blue (91%)



- Red (62%)
- Yellow (75%)
- Blue (91%)



- Cyan (33%)
- Magenta (6%)
- Yellow (0%)
- Black (9%)



- Cyan (38%)
- Magenta (14%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.9441, 63.7143, 86.5457 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 53.9441, 63.7143, 86.5457 by changing the saturation by 10% instead.



■ 53.9441, 63.7143,  
86.5457

■ 53.9441, 63.7143,  
86.5457

392.0986,  
438.1572, 537.0063

■ 38.7875, 46.4193,  
64.5618

■ 95.1495, 110.1994,  
144.4240

■ 26.7744, 32.5768,  
46.6568

■ 121.9291,  
140.1583, 181.1556

■ 17.5396, 21.8025,  
32.4120

153.3136,  
175.1072, 223.6401

■ 10.7176, 13.7118,  
21.4090

189.6684,  
215.4307, 272.2961

■ 5.9432, 7.9205,  
13.2291

231.3590,  
261.5130, 327.5422

■ 2.8509, 4.0441,  
7.4539

278.7507,

■ 1.0754, 1.6983,

313.7386, 389.7969

3.6649

332.2088,  
372.4919, 459.4788

■ 0.0044, 0.4225,  
1.4433

■ 0.0000, 0.0000,  
0.1752

■ 53.9441, 63.7143,  
86.5457

■ 53.9441, 63.7143,  
86.5457

■ 48.7198, 59.3819,  
85.9859

■ 60.0680, 68.5564,  
87.1586

■ 44.3396, 55.5256,  
85.4724

■ 67.1314, 73.9245,  
87.8225

■ 40.7508, 52.1195,  
85.0041

■ 75.1788, 79.8433,  
88.5408

■ 37.8923, 49.1318,  
84.5781

■ 84.2500, 86.3337,  
89.3155

■ 35.6936, 46.5258,  
84.1910

■ 87.2442, 89.7354,  
89.8142

■ 34.0694, 44.2572,  
83.8387

■ 88.5258, 92.2985,  
90.2414

■ 33.1405, 42.7479,  
83.5963

■ 89.8375, 94.9219,  
90.6787

■ 91.1795, 97.6059,  
91.1260

■ 91.7082, 98.6633,  
91.3022

# Harmonies

## Analogous

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



52.2410, 63.7143, 73.3997



53.9441, 63.7143, 86.5457



57.4429, 63.7143, 95.7864

# Triad

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



53.9441, 63.7143, 86.5457



69.1892, 63.7143, 78.8565



59.1897, 63.7143, 47.2546

# Complementary

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



53.9441, 63.7143, 86.5457



54.2539, 48.8844, 38.4759

# 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.



63.7848, 63.7143, 48.3268



53.9441, 63.7143, 86.5457



69.7151, 63.7143, 65.4983

# Square

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



53.9441, 63.7143, 86.5457



66.2901, 63.7143, 90.9713



67.6927, 63.7143, 54.6387



55.1673, 63.7143, 51.4979



# Rectangle

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



53.9441, 63.7143, 86.5457



60.4010, 63.7143, 97.8856



67.6927, 63.7143, 54.6387



60.7163, 63.7143, 47.0180

# Sweetspot

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



53.9460, 63.7168, 86.5472



84.8028, 92.5203, 107.9964



50.3892, 68.3849, 49.0401



17.8644, 19.5901, 23.0897



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

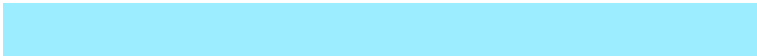


# Same Dimension

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



53.9460, 63.7168, 86.5472



61.8659, 74.6282, 105.7517



45.1515, 46.1277, 83.6156



15.2681, 16.6226, 19.3260



18.8892, 24.4253, 47.4620



1.5444, 2.0403, 3.7473



# Inverse Universe

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



58.4490, 46.5536, 72.9257



68.2929, 50.9821, 86.1194



62.4754, 65.3275, 41.2164



15.5889, 15.2634, 18.3863



24.3897, 11.9586, 28.9170

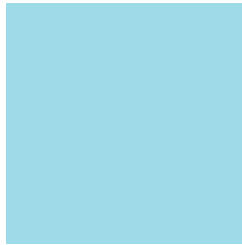


1.9460, 0.9514, 2.4332



# Previews

## White Background



This preview shows how the XYZ color 53.9441, 63.7143, 86.5457 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

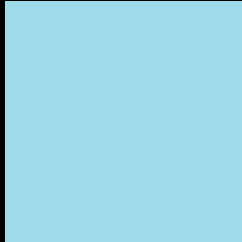
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.9441, 63.7143, 86.5457 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

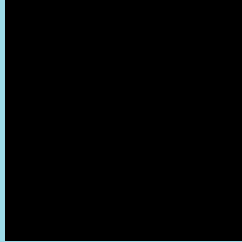
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 53.9441, 63.7143, 86.5457

## Background



This preview shows how black text looks on a background with the XYZ color 53.9441, 63.7143, 86.5457.



This preview shows how white text looks on a background with the XYZ color 53.9441, 63.7143,



# 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

53.9441, 63.7143, 86.5457

### Protanopia

61.6356, 63.3273, 80.2090

### Deuteranopia

64.5206, 63.2151, 88.1580



## Tritanopia

54.5724, 63.9883, 88.8316

# Trichromacy



## Original Color

53.9441, 63.7143, 86.5457

## Protanomaly

58.2841, 63.0088, 82.4888

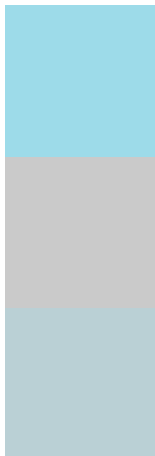
## Deuteranomaly

60.0440, 63.0684, 87.6060

## Tritanomaly

54.4275, 63.9303, 88.0684

# Monochromacy



## Original Color

53.9441, 63.7143, 86.5457

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

54.8158, 60.3549, 71.7114

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.9441, 63.7143, 86.5457 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, 219, 233)` looks like.

```
.text, #text, p{  
    color:rgb(157, 219, 233)  
}
```

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, 219, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 219, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 53.9441, 63.7143, 86.5457 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, 219, 233) }
```



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

```
.border{ border-color:rgb(157, 219, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 219, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 219, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 219, 233); box-shadow:4px 4px 4px 4px rgb(157, 219, 233) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.9441, 63.7143, 86.5457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 219, 233) }
```

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

```
.background{ background-color: rgb(157,  
219, 233) }
```

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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