

# Converting Colors

XYZ(53.8219, 64.0174, 75.2772)

Have a look what the booklet for  
XYZ(53.8219, 64.0174, 75.2772)  
contains.

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# Color

**XYZ(53.7923, 63.8883,  
75.1422)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A7DBD9
RGB	167, 219, 217
RGB Percent	65%, 86%, 85%
CMY	0.3451, 0.1412, 0.1490
CMYK	0.24, 0.00, 0.01, 0.14
HSL	178°, 42%, 76%
HSV	178°, 24%, 86%
XYZ	53.7923, 63.8883, 75.1422
YIQ	203.2240, -30.3500, -11.6460

# Conversions

## Conversions Part 2

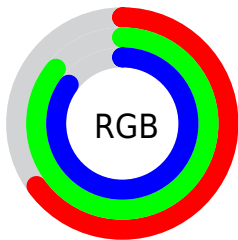
<b>Format</b>	<b>Color</b>
<b>RYB</b>	167, 194, 219
Decimal	11000793
CIELab	83.91, -17.05, -4.49
CIELCh	84, 17.632, 194.742
Yxy	63.8883, 0.2790, 0.3313
Android (android.graphics.Color)	4289190873 (0xFFA7DBD9)
YUV	203.2240, 6.7916, -31.7684
Hunter-Lab	79.9302, -19.7488, 0.2127

# Details

The XYZ color **53.7923, 63.8883, 75.1422** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.1959, 45.5639, 43.6879**, and the grayscale version is **56.8793, 59.8415, 65.1673**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **26.7365, 32.7370, 39.0921** is the 20% darker color. If you saturate the color by 10%, you get **49.4429, 61.6604, 74.3687**, and if you desaturate by 10%, it is **58.9295, 66.5256, 75.9582**.

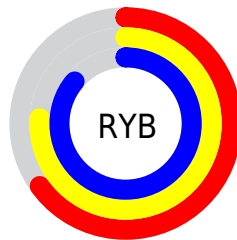
# Distribution



Red (65%)

Green (86%)

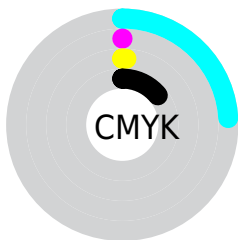
Blue (85%)



Red (65%)

Yellow (76%)

Blue (86%)

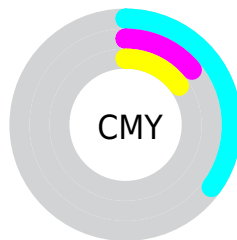


Cyan (24%)

Magenta (0%)

Yellow (1%)

Black (14%)



Cyan (35%)

Magenta (14%)


Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.7923, 63.8883, 75.1422 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 53.7923, 63.8883, 75.1422 by changing the saturation by 10% instead.





 53.7923, 63.8883,  
75.1422


 53.7923, 63.8883,  
75.1422


391.5288,  
438.7862, 497.6746

 38.6656, 46.5602,  
55.2270


 94.9279, 110.4501,  
128.2626

 26.6793, 32.6881,  
39.1836


 121.6675,  
140.4525, 162.3048

 17.4678, 21.8876,  
26.5937


153.0089,  
175.4485, 201.8931

 10.6660, 13.7744,  
17.0386

189.3173,  
215.8225, 247.4460

 5.9083, 7.9639,  
10.0997

230.9582,  
261.9589, 299.3821

 2.8295, 4.0719,  
5.3587

278.2968,

 1.0643, 1.7138,

314.2420, 358.1199

2.3968

331.6985,  
373.0563, 424.0779

■ 0.0000, 0.4326,  
0.7847

■ 0.0000, 0.0000,  
0.0000

■ 53.7923, 63.8883,  
75.1422

■ 53.7923, 63.8883,  
75.1422

■ 49.4429, 61.6604,  
74.3687

■ 58.9295, 66.5256,  
75.9582

■ 45.8362, 59.8136,  
73.6316

■ 64.8856, 69.5832,  
76.8141

■ 42.9312, 58.3286,  
72.9302

■ 71.6967, 73.0817,  
77.7129

■ 40.6807, 57.1808,  
72.2623

■ 79.3953, 77.0376,  
78.6562

■ 39.0315, 56.3431,  
71.6255

■ 79.6530, 77.1574,  
79.2543

■ 37.9225, 55.7837,  
71.0169

■ 79.7658, 77.2025,  
79.8484

■ 37.2792, 55.4643,  
70.4330

■ 79.8792, 77.2479,  
80.4456

■ 37.0366, 55.3469,  
70.0767

■ 79.9932, 77.2935,  
81.0458

■ 80.1077, 77.3393,  
81.6489

# Harmonies

## Analogous

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



53.8083, 63.8883, 64.0918



53.7923, 63.8883, 75.1422



55.5785, 63.8883, 85.7100

# Triad

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



53.7923, 63.8883, 75.1422



66.1272, 63.8883, 85.8666



62.7081, 63.8883, 50.9227

# Complementary

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



53.7923, 63.8883, 75.1422



50.1959, 45.5639, 43.6879

# 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.



66.1775, 63.8883, 55.5839



53.7923, 63.8883, 75.1422



68.2080, 63.8883, 75.3381

# Square

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



53.7923, 63.8883, 75.1422



62.6418, 63.8883, 92.3349



68.2268, 63.8883, 64.2680



58.8456, 63.8883, 50.8822



# Rectangle

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



53.7923, 63.8883, 75.1422



57.5965, 63.8883, 90.7269



68.2268, 63.8883, 64.2680



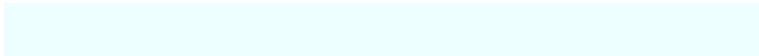
63.9626, 63.8883, 51.9771

# Sweetspot

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



53.7942, 63.8909, 75.1437



88.6747, 96.7262, 108.0249



48.7998, 61.9572, 45.9475



18.8684, 20.6460, 23.1059



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

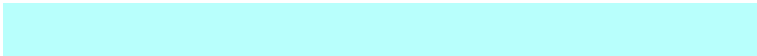


# Same Dimension

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



53.7942, 63.8909, 75.1437



73.0418, 88.7052, 105.5756



48.3743, 52.6317, 74.6301



13.4221, 14.8205, 16.6856



21.9698, 32.8205, 41.6017



1.4302, 2.1290, 2.7315



# Inverse Universe

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



50.1959, 45.5639, 43.6879



67.1977, 58.9351, 54.4835



54.6910, 54.8528, 44.2656



13.0763, 13.0596, 13.6629



17.3588, 8.9445, 1.0033

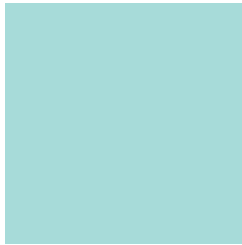


1.1319, 0.5824, 0.1035



# Previews

## White Background



This preview shows how the XYZ color 53.7923, 63.8883, 75.1422 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

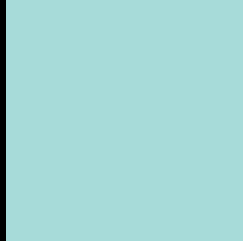
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.7923, 63.8883, 75.1422 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

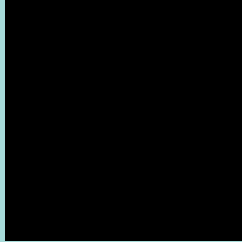
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 53.7923, 63.8883, 75.1422

## Background



This preview shows how black text looks on a background with the XYZ color 53.7923, 63.8883, 75.1422.



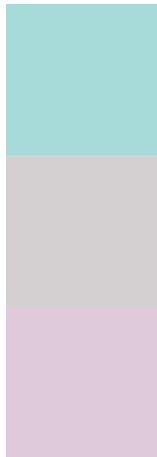
This preview shows how white text looks on a background with the XYZ color 53.7923, 63.8883,



# 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

53.7923, 63.8883, 75.1422

### Protanopia

61.3401, 63.7619, 70.0471

### Deuteranopia

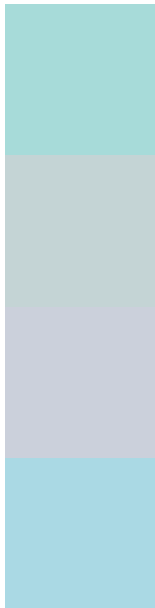
64.4702, 63.0963, 76.4910



## **Tritanopia**

56.2017, 63.7102, 87.1770

# Trichromacy



## Original Color

53.7923, 63.8883, 75.1422

## Protanomaly

58.3187, 63.6268, 72.1583

## Deuteranomaly

59.9707, 62.9227, 76.0023

## Tritanomaly

55.3940, 63.7732, 82.7887

# Monochromacy



## Original Color

53.7923, 63.8883, 75.1422

## Achromatopsia

56.7640, 59.7202, 65.0353

## Achromatomaly

55.4208, 61.1021, 68.5474

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.7923, 63.8883, 75.1422 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, 219, 217)` looks like.

```
.text, #text, p{  
    color:rgb(167, 219, 217)  
}
```

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, 219, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 219, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 53.7923, 63.8883, 75.1422 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, 219, 217) }
```



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

```
.border{ border-color:rgb(167, 219, 217) }
```

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

Here you see how a box with a 4 pixel rgb(167, 219, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 219, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 219, 217);  
box-shadow:4px 4px 4px 4px rgb(167, 219,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.7923, 63.8883, 75.1422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 219, 217) }
```

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

```
.background{ background-color: rgb(167,  
219, 217) }
```

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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