

# Converting Colors

XYZ(53.1723, 64.9243, 72.0376)

Have a look what the booklet for  
XYZ(53.1723, 64.9243, 72.0376)  
contains.

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# Color

**XYZ(53.1092, 64.7825,  
71.9925)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3DED4
RGB	163, 222, 212
RGB Percent	64%, 87%, 83%
CMY	0.3608, 0.1294, 0.1686
CMYK	0.27, 0.00, 0.05, 0.13
HSL	170°, 47%, 75%
HSV	170°, 27%, 87%
XYZ	53.1092, 64.7825, 71.9925
YIQ	203.2190, -31.9540, -15.6180

# Conversions

## Conversions Part 2

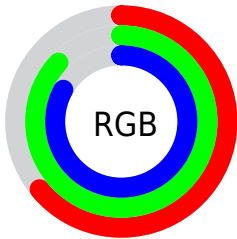
<b>Format</b>	<b>Color</b>
<b>RYB</b>	163, 195, 222
Decimal	10739412
CIELab	84.37, -20.81, -1.18
CIElCh	84, 20.843, 183.251
Yxy	64.7825, 0.2797, 0.3412
Android (android.graphics.Color)	4288929492 (0xFFA3DED4)
YUV	203.2190, 4.3290, -35.2721
Hunter-Lab	80.4876, -23.0712, 3.3091

# Details

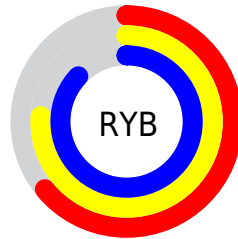
The XYZ color **53.1092, 64.7825, 71.9925** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.7665, 44.7429, 45.4984**, and the grayscale version is **56.8918, 59.8546, 65.1817**.

A 20% lighter version of the original color is **83.0234, 93.8001, 108.3372**, and **26.2112, 33.3230, 36.9488** is the 20% darker color. If you saturate the color by 10%, you get **48.4878, 62.4560, 69.3278**, and if you desaturate by 10%, it is **58.5433, 67.5301, 74.7558**.

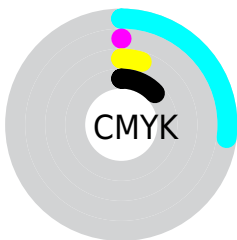
# Distribution



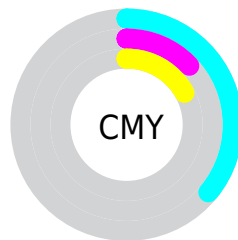
- Red (64%)
- Green (87%)
- Blue (83%)



- Red (64%)
- Yellow (76%)
- Blue (87%)



- Cyan (27%)
- Magenta (0%)
- Yellow (5%)
- Black (13%)




- Cyan (36%)
- Magenta (13%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.1092, 64.7825, 71.9925 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 53.1092, 64.7825, 71.9925 by changing the saturation by 10% instead.





 53.1092, 64.7825,  
71.9925

 53.1092, 64.7825,  
71.9925

388.9579,  
442.0100, 486.4923

 38.1178, 47.2847,  
52.6658


 93.9296, 111.7371,  
123.7535

 26.2517, 33.2608,  
37.1501


 120.4893,  
141.9627, 157.0248

 17.1457, 22.3263,  
25.0270


151.6358,  
177.1998, 195.7814

 10.4344, 14.0969,  
15.8780

187.7345,  
217.8326, 240.4418

 5.7524, 8.1881,  
9.2844

229.1507,  
264.2457, 291.4246

 2.7343, 4.2155,  
4.8278

276.2498,

 1.0149, 1.7948,

316.8233, 349.1482

2.0896

329.3971,  
375.9499, 414.0313

0.0000, 0.4840,  
0.6096

0.0000, 0.0000,  
0.0000

53.1092, 64.7825,  
71.9925

53.1092, 64.7825,  
71.9925

48.4878, 62.4560,  
69.3278

58.5433, 67.5301,  
74.7558

44.6317, 60.5210,  
66.7549

64.8233, 70.7108,  
77.6155

41.4972, 58.9569,  
64.2728

71.9873, 74.3458,  
80.5751

39.0339, 57.7374,  
61.8786

80.0693, 78.4529,  
83.6366

■ 37.1847, 56.8333,  
59.5695

■ 81.7608, 79.2641,  
86.4582

■ 35.8829, 56.2102,  
57.3418

■ 82.2977, 79.4789,  
89.2856

■ 35.0439, 55.8244,  
55.1911

■ 82.8461, 79.6983,  
92.1734

■ 34.8127, 55.7209,  
54.4702

■ 83.4061, 79.9223,  
95.1223

■ 83.9777, 80.1509,  
98.1324

# Harmonies

## Analogous

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



53.9637, 64.7825, 59.6764



53.1092, 64.7825, 71.9925



54.4272, 64.7825, 85.4554

# Triad

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



53.1092, 64.7825, 71.9925



66.5835, 64.7825, 94.0706



65.6668, 64.7825, 50.1374

# Complementary

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



53.1092, 64.7825, 71.9925



50.7665, 44.7429, 45.4984

# 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.



69.3201, 64.7825, 57.4647



53.1092, 64.7825, 71.9925



69.8678, 64.7825, 82.6416

# Square

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



53.1092, 64.7825, 71.9925



62.0799, 64.7825, 99.1661



70.8932, 64.7825, 69.1015



61.0705, 64.7825, 48.0280



# Rectangle

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



53.1092, 64.7825, 71.9925



56.4012, 64.7825, 92.9936



70.8932, 64.7825, 69.1015



67.0534, 64.7825, 52.0224

# Sweetspot

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



53.1111, 64.7851, 71.9940



87.3871, 96.1134, 105.6610



50.1489, 63.8672, 44.3360



18.4148, 20.4255, 22.4875



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.



53.1111, 64.7851, 71.9940



68.9842, 86.8107, 96.4697



49.7218, 55.9243, 77.2840



14.0116, 15.5304, 17.0962



20.7133, 33.1102, 32.5427



1.4625, 2.3057, 2.3966



# Inverse Universe

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



50.7665, 44.7429, 45.4984



65.2551, 54.8987, 54.3022



53.4004, 51.5023, 41.7780



13.8016, 13.7383, 14.7253



18.1254, 9.3171, 2.0599

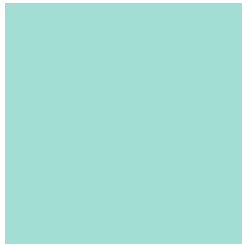


1.2853, 0.6574, 0.2950



# Previews

## White Background



This preview shows how the XYZ color 53.1092, 64.7825, 71.9925 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

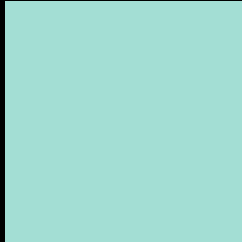
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.1092, 64.7825, 71.9925 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

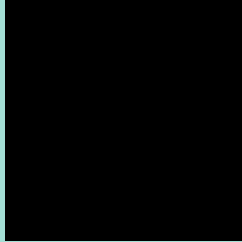
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

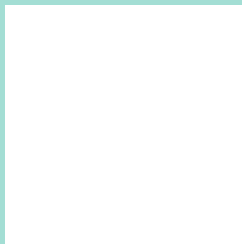
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 53.1092, 64.7825, 71.9925

## Background



This preview shows how black text looks on a background with the XYZ color 53.1092, 64.7825, 71.9925.



This preview shows how white text looks on a background with the XYZ color 53.1092, 64.7825,

71.9925.

# 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

53.1092, 64.7825, 71.9925

### Protanopia

61.8442, 64.4558, 66.9393

### Deuteranopia

65.4292, 64.0006, 73.8706



## Tritanopia

56.3602, 64.5238, 88.8407

# Trichromacy



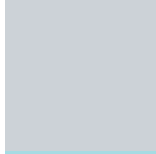
## Original Color

53.1092, 64.7825, 71.9925



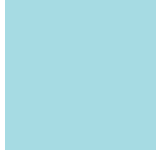
## Protanomaly

58.1967, 64.3830, 69.0344



## Deuteranomaly

60.2142, 63.8369, 73.4381



## Tritanomaly

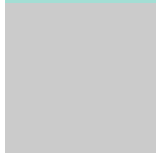
54.9225, 64.3161, 82.1926

# Monochromacy



## Original Color

53.1092, 64.7825, 71.9925



## Achromatopsia

56.7640, 59.7202, 65.0353



## Achromatomaly

54.9262, 61.2408, 67.3183

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.1092, 64.7825, 71.9925 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(163, 222, 212)` looks like.

```
.text, #text, p{  
    color:rgb(163, 222, 212)  
}
```

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(163, 222, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 222, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 53.1092, 64.7825, 71.9925 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(163, 222, 212) }
```



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

```
.border{ border-color:rgb(163, 222, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 222, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 222, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 222, 212);  
box-shadow:4px 4px 4px 4px rgb(163, 222,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.1092, 64.7825, 71.9925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 222, 212) }
```

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

```
.background{ background-color: rgb(163,  
222, 212) }
```

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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