

# Converting Colors

XYZ(53.8304, 64.4825, 74.2864)

Have a look what the booklet for  
XYZ(53.8304, 64.4825, 74.2864)  
contains.

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# Color

**XYZ(53.7138, 64.2513,  
74.5365)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6DCD8
RGB	166, 220, 216
RGB Percent	65%, 86%, 85%
CMY	0.3490, 0.1372, 0.1529
CMYK	0.25, 0.00, 0.02, 0.14
HSL	176°, 44%, 76%
HSV	176°, 25%, 86%
XYZ	53.7138, 64.2513, 74.5365
YIQ	203.3980, -30.9000, -12.6920

# Conversions

## Conversions Part 2

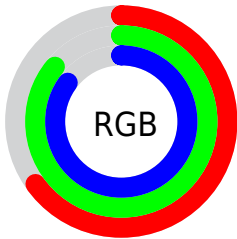
<b>Format</b>	<b>Color</b>
<b>RYB</b>	166, 194, 220
Decimal	10935512
CIELab	84.10, -18.07, -3.69
CIELCh	84, 18.439, 191.528
Yxy	64.2513, 0.2790, 0.3338
Android (android.graphics.Color)	4289125592 (0xFFA6DCD8)
YUV	203.3980, 6.2128, -32.7980
Hunter-Lab	80.1569, -20.6603, 0.9771

# Details

The XYZ color **53.7138, 64.2513, 74.5365** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.4094, 45.3922, 44.1376**, and the grayscale version is **56.9925, 59.9606, 65.2970**.

A 20% lighter version of the original color is **83.9342, 94.2696, 108.3798**, and **26.5702, 32.9282, 38.6736** is the 20% darker color. If you saturate the color by 10%, you get **49.2814, 61.9922, 73.2352**, and if you desaturate by 10%, it is **58.9410, 66.9232, 75.8886**.

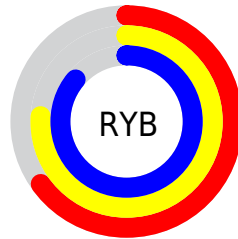
# Distribution



Red (65%)

Green (86%)

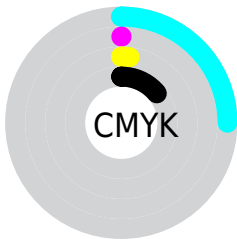
Blue (85%)



Red (65%)

Yellow (76%)

Blue (86%)

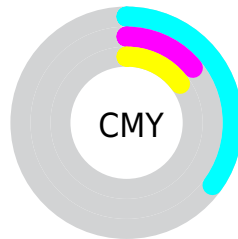


Cyan (25%)

Magenta (0%)

Yellow (2%)

Black (14%)



Cyan (35%)

Magenta (14%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.7138, 64.2513, 74.5365 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 53.7138, 64.2513, 74.5365 by changing the saturation by 10% instead.





 53.7138, 64.2513,  
74.5365


 53.7138, 64.2513,  
74.5365


391.2339,  
440.0966, 495.5358

 38.6027, 46.8542,  
54.7338


 94.8133, 110.9728,  
127.3971

 26.6301, 32.9204,  
38.7915


 121.5323,  
141.0660, 161.2921

 17.4308, 22.0655,  
26.2910


152.8513,  
176.1600, 200.7216

 10.6393, 13.9050,  
16.8137

189.1357,  
216.6393, 246.1042

 5.8903, 8.0546,  
9.9412

230.7508,  
262.8882, 297.8583

 2.8185, 4.1299,  
5.2549

278.0619,

 1.0585, 1.7465,

315.2911, 356.4026

2.3362

331.4345,  
374.2324, 422.1556

■ 0.0000, 0.4535,  
0.7514

■ 0.0000, 0.0000,  
0.0000

■ 53.7138, 64.2513,  
74.5365

■ 53.7138, 64.2513,  
74.5365

■ 49.2814, 61.9922,  
73.2352

■ 58.9410, 66.9232,  
75.8886

■ 45.5979, 60.1173,  
71.9785

■ 64.9945, 70.0192,  
77.2890

■ 42.6216, 58.6067,  
70.7658

■ 71.9113, 73.5600,  
78.7408

■ 40.3043, 57.4356,  
69.5947

■ 79.7243, 77.5624,  
80.2455

■ 38.5917, 56.5760,  
68.4627

■ 80.3100, 77.8389,  
81.4231

■ 37.4210, 55.9956,  
67.3669

■ 80.5325, 77.9279,  
82.5947

■ 36.7155, 55.6547,  
66.3035

■ 80.7571, 78.0178,  
83.7776

■ 36.4571, 55.5338,  
65.7340

■ 80.9838, 78.1085,  
84.9717

■ 81.2127, 78.2000,  
86.1770

# Harmonies

## Analogous

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



53.9394, 64.2513, 63.0916



53.7138, 64.2513, 74.5365



55.3928, 64.2513, 85.9036

# Triad

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



53.7138, 64.2513, 74.5365



66.4085, 64.2513, 88.1248



63.5835, 64.2513, 50.7725

# Complementary

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



53.7138, 64.2513, 74.5365



50.4094, 45.3922, 44.1376

# 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.



67.1202, 64.2513, 56.1201



53.7138, 64.2513, 74.5365



68.8005, 64.2513, 77.3069

# Square

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



53.7138, 64.2513, 74.5365



62.6471, 64.2513, 94.3110



69.0666, 64.2513, 65.5724



59.5175, 64.2513, 50.2069



# Rectangle

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



53.7138, 64.2513, 74.5365



57.4117, 64.2513, 91.5800



69.0666, 64.2513, 65.5724



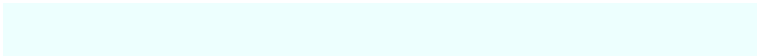
64.8782, 64.2513, 52.0402

# Sweetspot

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



53.7157, 64.2539, 74.5380



88.5728, 96.6854, 107.4888



49.1640, 62.5442, 45.5587



18.8447, 20.6366, 22.9813



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.



53.7157, 64.2539, 74.5380



72.0077, 88.2218, 103.2805



48.7261, 53.4364, 75.4593



13.4010, 14.8120, 16.5748



21.4135, 32.5980, 38.6726



1.4000, 2.1169, 2.5723



# Inverse Universe

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



50.4094, 45.3922, 44.1376



66.6936, 57.8959, 54.4110



54.4906, 54.1515, 43.6580



13.0950, 13.0671, 13.7616



17.3939, 8.9586, 1.1882

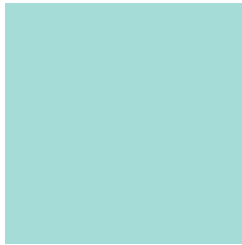


1.1409, 0.5860, 0.1507



# Previews

## White Background



This preview shows how the XYZ color 53.7138, 64.2513, 74.5365 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

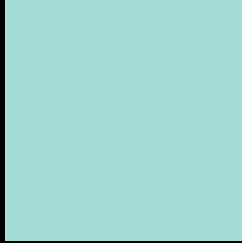
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.7138, 64.2513, 74.5365 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

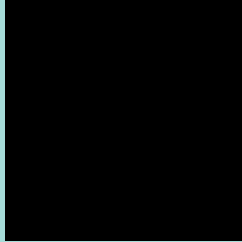
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 53.7138, 64.2513, 74.5365**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.7138, 64.2513, 74.5365.



This preview shows how white text looks on a background with the XYZ color 53.7138, 64.2513,

74.5365.

# 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

53.7138, 64.2513, 74.5365

### Protanopia

61.5051, 63.8613, 69.4064

### Deuteranopia

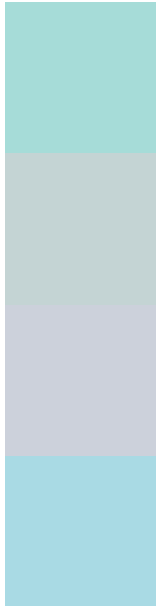
65.3255, 63.8867, 76.5985



## Tritanopia

56.3858, 64.1699, 88.0114

# Trichromacy



## Original Color

53.7138, 64.2513, 74.5365

## Protanomaly

58.1921, 63.5762, 71.4917

## Deuteranomaly

60.4885, 63.5528, 76.0967

## Tritanomaly

55.4372, 64.1793, 82.8648

# Monochromacy



## Original Color

53.7138, 64.2513, 74.5365

## 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 53.7138, 64.2513, 74.5365 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(166, 220, 216)` looks like.

```
.text, #text, p{  
    color:rgb(166, 220, 216)  
}
```

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(166, 220, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 220, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 53.7138, 64.2513, 74.5365 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(166, 220, 216) }
```



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

```
.border{ border-color:rgb(166, 220, 216) }
```

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

Here you see how a box with a 4 pixel rgb(166, 220, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 220, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 220, 216);  
box-shadow:4px 4px 4px 4px rgb(166, 220,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.7138, 64.2513, 74.5365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 220, 216) }
```

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

```
.background{ background-color: rgb(166,  
220, 216) }
```

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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