

# Converting Colors

XYZ(53.9499, 64.7639, 77.0399)

Have a look what the booklet for  
XYZ(53.9499, 64.7639, 77.0399)  
contains.

<b>XYZ(53.8790, 64.6667, 77.3524)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(53.8790, 64.6667,  
77.3524)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3DDDC
RGB	163, 221, 220
RGB Percent	64%, 87%, 86%
CMY	0.3608, 0.1333, 0.1372
CMYK	0.26, 0.00, 0.00, 0.13
HSL	179°, 46%, 75%
HSV	179°, 26%, 87%
XYZ	53.8790, 64.6667, 77.3524
YIQ	203.5440, -34.2470, -12.6070

# Conversions

## Conversions Part 2

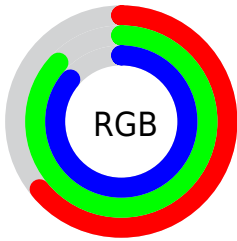
<b>Format</b>	<b>Color</b>
<b>RYB</b>	163, 192, 221
Decimal	10739164
CIELab	84.31, -18.57, -5.51
CIELCh	84, 19.371, 196.514
Yxy	64.6667, 0.2750, 0.3301
Android (android.graphics.Color)	4288929244 (0xFFA3DDDC)
YUV	203.5440, 8.1128, -35.5571
Hunter-Lab	80.4156, -21.1311, -0.7406

# Details

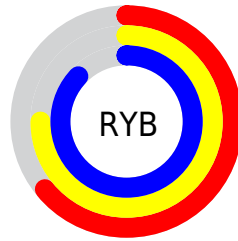
The XYZ color **53.8790, 64.6667, 77.3524** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.6191, 44.2488, 41.0502**, and the grayscale version is **57.0743, 60.0466, 65.3908**.

A 20% lighter version of the original color is **83.0234, 93.8001, 108.3372**, and **26.7344, 33.2403, 40.6043** is the 20% darker color. If you saturate the color by 10%, you get **49.6934, 62.5164, 76.8941**, and if you desaturate by 10%, it is **58.8592, 67.2299, 77.8513**.

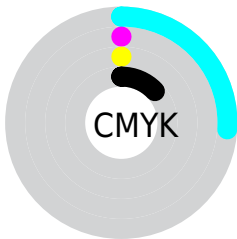
# Distribution



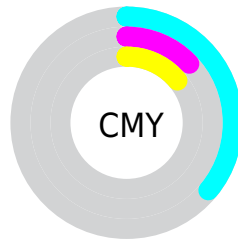
- Red (64%)
- Green (87%)
- Blue (86%)



- Red (64%)
- Yellow (75%)
- Blue (87%)



- Cyan (26%)
- Magenta (0%)
- Yellow (0%)
- Black (13%)




- Cyan (36%)
- Magenta (13%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.8790, 64.6667, 77.3524 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 53.8790, 64.6667, 77.3524 by changing the saturation by 10% instead.




 53.8790, 64.6667,  
77.3524


 53.8790, 64.6667,  
77.3524


391.8543,  
441.5933, 505.4342

 38.7352, 47.1909,  
57.0289


 95.0545, 111.5705,  
131.4144

 26.7336, 33.1866,  
40.6189

 121.8169,  
141.7673, 165.9899

 17.5088, 22.2694,  
27.7040


153.1829,  
176.9732, 206.1531

 10.6955, 14.0550,  
17.8655

189.5179,  
217.5727, 252.3226

 5.9282, 8.1589,  
10.6850

231.1872,  
263.9500, 304.9169

 2.8417, 4.1968,  
5.7440

278.5561,

 1.0706, 1.7843,

316.4896, 364.3546

2.6238

331.9900,  
375.5759, 431.0542

■ 0.0003, 0.4773,  
0.9047

■ 0.0000, 0.0000,  
0.0000

■ 53.8790, 64.6667,  
77.3524

■ 53.8790, 64.6667,  
77.3524

■ 49.6934, 62.5164,  
76.8941

■ 58.8592, 67.2299,  
77.8513

■ 46.2557, 60.7500,  
76.4700

■ 64.6666, 70.2178,  
78.3881

■ 43.5228, 59.3470,  
76.0795

■ 71.3386, 73.6515,  
78.9660

■ 41.4451, 58.2817,  
75.7202

■ 78.9090, 77.5483,  
79.5865

■ 39.9665, 57.5253,  
75.3896

■ 80.2705, 78.2443,  
79.9170

■ 39.0216, 57.0439,  
75.0846

■ 80.3217, 78.2648,  
80.1869

■ 38.5285, 56.7955,  
74.8013

■ 80.3731, 78.2853,  
80.4574

■ 38.4059, 56.7344,  
74.6980

■ 80.4246, 78.3059,  
80.7284

■ 80.4762, 78.3265,  
81.0001

# Harmonies

## Analogous

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



53.7756, 64.6667, 65.0366



53.8790, 64.6667, 77.3524



55.9523, 64.6667, 89.0090

# Triad

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



53.8790, 64.6667, 77.3524



67.6543, 64.6667, 87.9793



63.4104, 64.6667, 49.8196

# Complementary

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



53.8790, 64.6667, 77.3524



49.6191, 44.2488, 41.0502

# 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.



67.3257, 64.6667, 54.6029



53.8790, 64.6667, 77.3524



69.8519, 64.6667, 76.0736

# Square

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



53.8790, 64.6667, 77.3524



63.8420, 64.6667, 95.6164



69.7289, 64.6667, 63.8979



59.1454, 64.6667, 50.0770

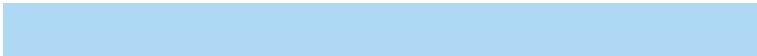


# Rectangle

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



53.8790, 64.6667, 77.3524



58.2301, 64.6667, 94.4148



69.7289, 64.6667, 63.8979



64.8150, 64.6667, 50.8651

# Sweetspot

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



53.8809, 64.6693, 77.3539



87.8823, 96.3115, 108.2685



47.9725, 62.3520, 44.1585



18.5405, 20.4757, 23.1494



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.



53.8809, 64.6693, 77.3539



71.4840, 87.8766, 106.6529



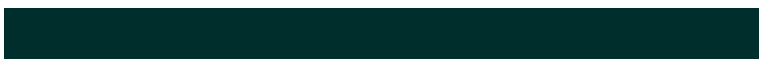
47.4343, 51.5630, 75.8621



13.4347, 14.8255, 16.7518



22.3143, 32.9583, 43.4159



1.4488, 2.1365, 2.8294



# Inverse Universe

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



49.6191, 44.2488, 41.0502



64.7229, 55.4780, 49.0575



54.8598, 54.8746, 42.3521



13.0651, 13.0552, 13.6042



17.3386, 8.9365, 0.8971

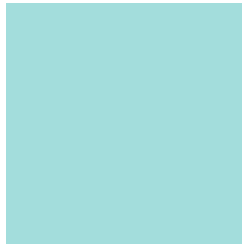


1.1266, 0.5803, 0.0754



# Previews

## White Background



This preview shows how the XYZ color 53.8790, 64.6667, 77.3524 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

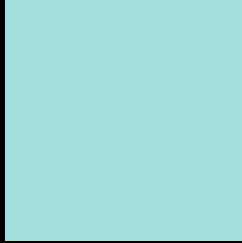
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.8790, 64.6667, 77.3524 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

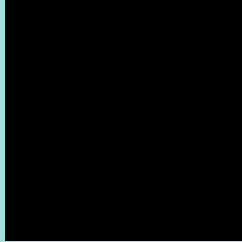
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 53.8790, 64.6667, 77.3524

## Background



This preview shows how black text looks on a background with the XYZ color 53.8790, 64.6667, 77.3524.



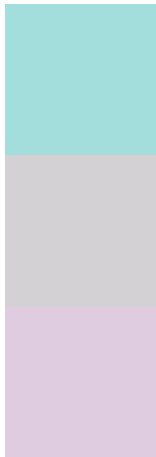
This preview shows how white text looks on a background with the XYZ color 53.8790, 64.6667,



# 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

53.8790, 64.6667, 77.3524

### Protanopia

61.9621, 64.4021, 72.1159

### Deuteranopia

65.7879, 64.4148, 79.4869



## Tritanopia

56.4082, 64.9347, 88.9175

# Trichromacy



**Original Color**

53.8790, 64.6667, 77.3524

**Protanomaly**

58.4371, 64.0157, 74.2421

**Deuteranomaly**

60.7230, 63.9775, 78.9605

**Tritanomaly**

55.6020, 65.0066, 84.4799

# Monochromacy



**Original Color**

53.8790, 64.6667, 77.3524

**Achromatopsia**

57.3938, 60.3827, 65.7568

**Achromatomaly**

55.6657, 61.5651, 69.9221

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.8790, 64.6667, 77.3524 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, 221, 220)` looks like.

```
.text, #text, p{  
    color:rgb(163, 221, 220)  
}
```

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, 221, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 221, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 53.8790, 64.6667, 77.3524 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, 221, 220) }
```



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

```
.border{ border-color:rgb(163, 221, 220) }
```

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

Here you see how a box with a 4 pixel rgb(163, 221, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 221, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 221, 220);  
box-shadow:4px 4px 4px 4px rgb(163, 221,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.8790, 64.6667, 77.3524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 221, 220) }
```

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

```
.background{ background-color: rgb(163,  
221, 220) }
```

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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