

# Converting Colors

XYZ(52.8903, 66.2304, 77.3860)

Have a look what the booklet for  
XYZ(52.8903, 66.2304, 77.3860)  
contains.

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# Color

**XYZ(52.8771, 66.1393,  
77.6894)**

# Conversions

## Conversions Part 1

Format	Color
Hex	97E2DC
RGB	151, 226, 220
RGB Percent	59%, 89%, 86%
CMY	0.4078, 0.1137, 0.1372
CMYK	0.33, 0.00, 0.03, 0.11
HSL	175°, 56%, 74%
HSV	175°, 33%, 89%
XYZ	52.8771, 66.1393, 77.6894
YIQ	202.8910, -42.7740, -17.7660

# Conversions

## Conversions Part 2

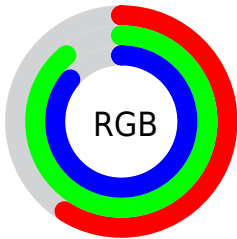
<b>Format</b>	<b>Color</b>
<b>RYB</b>	151, 190, 226
Decimal	9954012
CIELab	85.07, -24.41, -4.46
CIElCh	85, 24.815, 190.359
Yxy	66.1393, 0.2688, 0.3362
Android (android.graphics.Color)	4288144092 (0xFF97E2DC)
YUV	202.8910, 8.4347, -45.5084
Hunter-Lab	81.3261, -26.2624, 0.2895

# Details

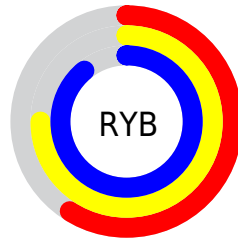
The XYZ color **52.8771, 66.1393, 77.6894** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.5187, 40.7381, 37.2068**, and the grayscale version is **56.6659, 59.6169, 64.9228**.

A 20% lighter version of the original color is **79.8224, 92.1499, 108.1874**, and **25.9901, 33.9529, 40.7810** is the 20% darker color. If you saturate the color by 10%, you get **48.8404, 64.0875, 76.2580**, and if you desaturate by 10%, it is **57.7242, 68.6119, 79.1751**.

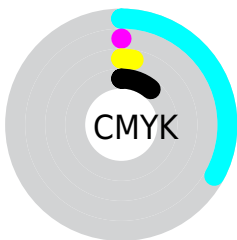
# Distribution



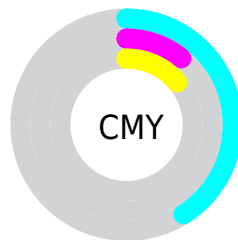
- Red (59%)
- Green (89%)
- Blue (86%)



- Red (59%)
- Yellow (75%)
- Blue (89%)



- Cyan (33%)
- Magenta (0%)
- Yellow (3%)
- Black (11%)




- Cyan (41%)
- Magenta (11%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.8771, 66.1393, 77.6894 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 52.8771, 66.1393, 77.6894 by changing the saturation by 10% instead.





 52.8771, 66.1393,  
77.6894

 52.8771, 66.1393,  
77.6894


388.0820,  
446.8749, 506.6113

 37.9318, 48.3855,  
57.3039


 93.5901, 113.6862,  
131.8941

 26.1067, 34.1323,  
40.8383

 120.0884,  
144.2482, 166.5503

 17.0366, 22.9952,  
27.8740


151.1685,  
179.8483, 206.8006

 10.3560, 14.5900,  
17.9925

187.1957,  
220.8709, 253.0635

 5.6997, 8.5321,  
10.7752

228.5352,  
267.7005, 305.7574

 2.7023, 4.4373,  
5.8036

275.5526,

 0.9984, 1.9211,

320.7214, 365.3010

2.6592

328.6130,  
380.3181, 432.1128

■ 0.0000, 0.5610,  
0.9228

■ 0.0000, 0.0000,  
0.0000

■ 52.8771, 66.1393,  
77.6894

■ 52.8771, 66.1393,  
77.6894

■ 48.8404, 64.0875,  
76.2580

■ 57.7242, 68.6119,  
79.1751

■ 45.5623, 62.4248,  
74.8742

■ 63.4184, 71.5193,  
80.7126

■ 42.9938, 61.1276,  
73.5370

■ 70.0011, 74.8843,  
82.3053

■ 41.0781, 60.1667,  
72.2438

■ 77.5092, 78.7262,  
83.9549

■ 39.7494, 59.5081,  
70.9915

■ 82.5867, 81.3146,  
85.5045

■ 38.9282, 59.1107,  
69.7762

■ 82.8407, 81.4162,  
86.8421

■ 38.5724, 58.9449,  
68.9652

■ 83.0973, 81.5189,  
88.1936

■ 83.3566, 81.6226,  
89.5591

■ 83.6186, 81.7274,  
90.9385

# Harmonies

## Analogous

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



53.2790, 66.1393, 62.1604



52.8771, 66.1393, 77.6894



55.0278, 66.1393, 93.8312

# Triad

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



52.8771, 66.1393, 77.6894



70.0797, 66.1393, 98.0939



66.5438, 66.1393, 46.7513

# Complementary

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



52.8771, 66.1393, 77.6894



48.5187, 40.7381, 37.2068

# 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.



71.4097, 66.1393, 53.8722



52.8771, 66.1393, 77.6894



73.5334, 66.1393, 82.8585

# Square

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



52.8771, 66.1393, 77.6894



64.8149, 66.1393, 106.7162



74.0340, 66.1393, 66.6228



60.9515, 66.1393, 45.7918

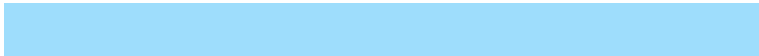


# Rectangle

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



52.8771, 66.1393, 77.6894



57.6988, 66.1393, 102.2003



74.0340, 66.1393, 66.6228



68.3274, 66.1393, 48.4478

# Sweetspot

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



52.8790, 66.1419, 77.6909



85.9560, 95.3496, 106.7684



46.7377, 63.8230, 39.1352



18.1454, 20.2796, 22.7900



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

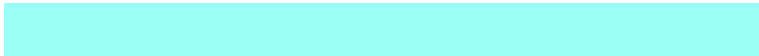


# Same Dimension

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



52.8790, 66.1419, 77.6909



65.6602, 84.9976, 100.8092



45.9511, 50.9907, 79.3748



14.0668, 15.5524, 17.3868



22.0254, 33.6350, 39.4524



1.5409, 2.3371, 2.8096



# Inverse Universe

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



48.5187, 40.7381, 37.2068



59.0787, 46.6214, 39.6788



53.7314, 51.9637, 36.4775



13.7515, 13.7182, 14.4618



17.9730, 9.2562, 1.2577



1.2615, 0.6479, 0.1699



# Previews

## White Background



This preview shows how the XYZ color 52.8771, 66.1393, 77.6894 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

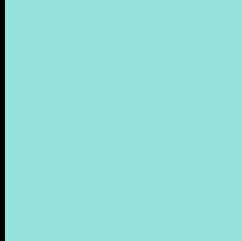
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.8771, 66.1393, 77.6894 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

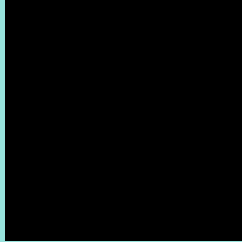
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 52.8771, 66.1393, 77.6894

## Background



This preview shows how black text looks on a background with the XYZ color 52.8771, 66.1393, 77.6894.



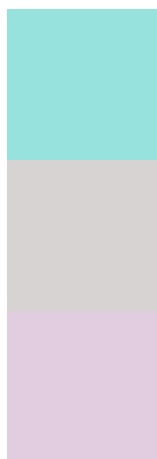
This preview shows how white text looks on a background with the XYZ color 52.8771, 66.1393,



# 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

52.8771, 66.1393, 77.6894

### Protanopia

63.0765, 65.7388, 70.9924

### Deuteranopia

66.6499, 65.2132, 79.5956



## Tritanopia

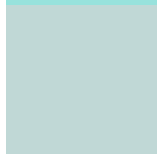
55.9752, 66.1941, 93.0456

# Trichromacy



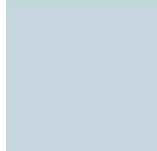
## Original Color

52.8771, 66.1393, 77.6894



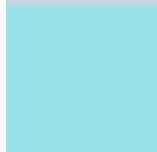
## Protanomaly

58.4317, 65.1732, 73.1183



## Deuteranomaly

60.6667, 65.0583, 79.1721



## Tritanomaly

54.6901, 66.0645, 86.9601

# Monochromacy



## Original Color

52.8771, 66.1393, 77.6894



## Achromatopsia

56.7640, 59.7202, 65.0353



## Achromatomaly

54.5701, 61.3823, 69.2934

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.8771, 66.1393, 77.6894 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(151, 226, 220)` looks like.

```
.text, #text, p{  
    color:rgb(151, 226, 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(151, 226, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 226, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 52.8771, 66.1393, 77.6894 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(151, 226, 220) }
```



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

```
.border{ border-color:rgb(151, 226, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 226, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 226, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 226, 220); box-shadow:4px 4px 4px 4px rgb(151, 226, 220) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.8771, 66.1393, 77.6894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 226, 220) }
```

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

```
.background{ background-color: rgb(151,  
226, 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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