

# Converting Colors

XYZ(52.2892, 78.4806, 83.1981)

Have a look what the booklet for  
XYZ(52.2892, 78.4806, 83.1981)  
contains.

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# Color

**XYZ(52.2751, 78.4796,  
82.9139)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4DFFE0
RGB	77, 255, 224
RGB Percent	30%, 100%, 88%
CMY	0.6980, 0.0000, 0.1216
CMYK	0.70, 0.00, 0.12, 0.00
HSL	170°, 100%, 65%
HSV	170°, 70%, 100%
XYZ	52.2751, 78.4796, 82.9139
YIQ	198.2440, -96.1370, -47.3770

# Conversions

## Conversions Part 2

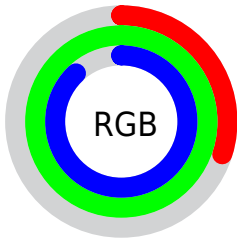
<b>Format</b>	<b>Color</b>
<b>RYB</b>	77, 174, 255
Decimal	5111776
CIELab	91.00, -51.54, 1.84
CIELCh	91, 51.574, 177.951
Yxy	78.4796, 0.2447, 0.3673
Android (android.graphics.Color)	4283301856 (0xFF4DFFE0)
YUV	198.2440, 12.6977, -106.3310
Hunter-Lab	88.5887, -49.6996, 6.5201

# Details

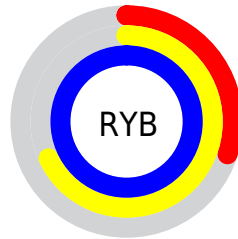
The XYZ color **52.2751, 78.4796, 82.9139** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **46.6016, 27.6518, 17.0703**, and the grayscale version is **53.7930, 56.5944, 61.6313**.

A 20% lighter version of the original color is **65.8426, 84.9430, 107.5331**, and **27.1277, 42.7971, 44.3670** is the 20% darker color. If you saturate the color by 10%, you get **50.0112, 77.3812, 79.7059**, and if you desaturate by 10%, it is **55.3624, 80.0006, 86.2453**.

# Distribution



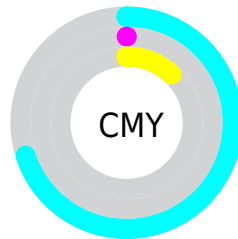
- Red (30%)
- Green (100%)
- Blue (88%)



- Red (30%)
- Yellow (68%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)




- Cyan (70%)
- Magenta (0%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2751, 78.4796, 82.9139 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 52.2751, 78.4796, 82.9139 by changing the saturation by 10% instead.





 52.2751, 78.4796,  
82.9139


 52.2751, 78.4796,  
82.9139


385.8043,  
489.7941, 524.6630


 37.4496, 58.4680,  
61.5789


 92.7087, 131.2260,  
139.3030


 25.7310, 42.1850,  
44.2590


 119.0474,  
164.7296, 175.1942

 16.7541, 29.2462,  
30.5355


 149.9545,  
203.4994, 216.7746

 10.1536, 19.2672,  
19.9899

 185.7955,  
247.9197, 264.4627

 5.5639, 11.8635,  
12.2037

226.9356,  
298.3749, 318.6771

 2.6199, 6.6508,  
6.7583

273.7402,

 0.9561, 3.2447,

355.2494, 379.8362

3.2353

326.5746,  
418.9277, 448.3587

0.0000, 1.2608,  
1.2160

0.0000, 0.1105,  
0.0000

52.2751, 78.4796,  
82.9139

52.2751, 78.4796,  
82.9139

50.0112, 77.3812,  
79.7059

55.3624, 80.0006,  
86.2453

48.4674, 76.6522,  
76.6117

59.3547, 81.9864,  
89.7004

47.4840, 76.2103,  
73.6247

64.3266, 84.4753,  
93.2848

47.4666, 76.2026,  
73.5661

70.3442, 87.5014,  
97.0020

■ 77.4677, 91.0958,  
100.8554

■ 85.7529, 95.2872,  
104.8484

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



55.3291, 78.4796, 52.7838



52.2751, 78.4796, 82.9139



54.5992, 78.4796, 123.6362

# Triad

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



52.2751, 78.4796, 82.9139



86.9471, 78.4796, 165.6788



88.6750, 78.4796, 37.9634

# Complementary

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



52.2751, 78.4796, 82.9139



46.6016, 27.6518, 17.0703

# 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.



98.9530, 78.4796, 56.0690



52.2751, 78.4796, 82.9139



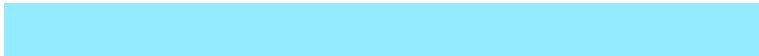
97.8766, 78.4796, 129.4015

# Square

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



52.2751, 78.4796, 82.9139



73.7013, 78.4796, 178.9455



102.4994, 78.4796, 88.0392



75.4909, 78.4796, 31.9762



# Rectangle

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



52.2751, 78.4796, 82.9139



59.0562, 78.4796, 150.4811



102.4994, 78.4796, 88.0392



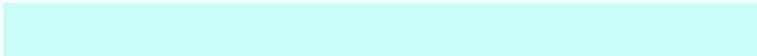
92.6394, 78.4796, 42.5164

# Sweetspot

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



52.2760, 78.4800, 82.9153



76.5531, 90.6338, 100.3860



43.4856, 75.3479, 19.2744



15.9483, 19.1786, 21.2570



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.



52.2760, 78.4800, 82.9153



49.2816, 77.0334, 78.3929



41.4510, 49.4776, 101.9732



18.4111, 20.4240, 22.4676



24.8520, 39.8374, 38.7016



2.4539, 3.8925, 3.9478



# Inverse Universe

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



46.6016, 27.6518, 17.0703



43.4049, 23.3836, 9.4531



51.0184, 38.6731, 11.7984



18.1385, 18.0387, 19.3463



21.8276, 11.2203, 2.4768

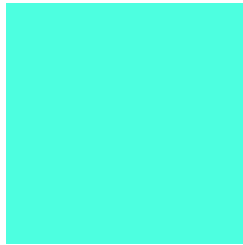


2.1591, 1.1060, 0.4194



# Previews

## White Background



This preview shows how the XYZ color 52.2751, 78.4796, 82.9139 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

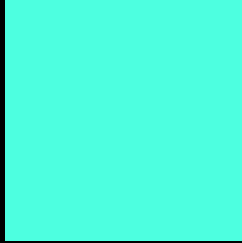
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.2751, 78.4796, 82.9139 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

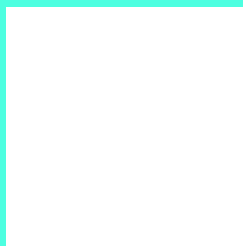
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 52.2751, 78.4796, 82.9139**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.2751, 78.4796, 82.9139.



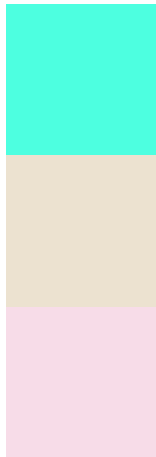
This preview shows how white text looks on a background with the XYZ color 52.2751, 78.4796,



# 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

52.2751, 78.4796, 82.9139

### Protanopia

73.1736, 76.7796, 70.6378

### Deuteranopia

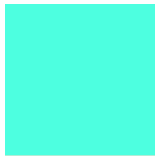
78.5165, 76.7868, 87.0270



## Tritanopia

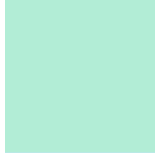
63.8034, 77.5015, 106.2042

# Trichromacy



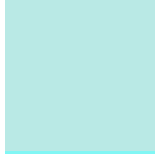
## Original Color

52.2751, 78.4796, 82.9139



## Protanomaly

60.7819, 74.8884, 74.8697



## Deuteranomaly

63.2894, 74.2493, 85.1246



## Tritanomaly

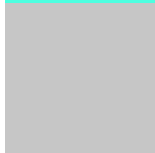
58.3382, 77.1103, 97.3970

# Monochromacy



## Original Color

52.2751, 78.4796, 82.9139



## Achromatopsia

53.6758, 56.4712, 61.4971



## Achromatomaly

49.9204, 62.0381, 68.3749

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.2751, 78.4796, 82.9139 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(77, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(77, 255, 224)  
}
```

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(77, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 255, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 52.2751, 78.4796, 82.9139 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(77, 255, 224) }
```



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

```
.border{ border-color:rgb(77, 255, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 255, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(77, 255,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.2751, 78.4796, 82.9139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 255, 224) }
```

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

```
.background{ background-color: rgb(77, 255,  
224) }
```

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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