

# Converting Colors

XYZ(50.9114, 77.9064, 76.9862)

Have a look what the booklet for  
XYZ(50.9114, 77.9064, 76.9862)  
contains.

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# Color

**XYZ(50.9787, 77.9337,  
77.3216)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4AFFD8
RGB	74, 255, 216
RGB Percent	29%, 100%, 85%
CMY	0.7098, 0.0000, 0.1529
CMYK	0.71, 0.00, 0.15, 0.00
HSL	167°, 100%, 65%
HSV	167°, 71%, 100%
XYZ	50.9787, 77.9337, 77.3216
YIQ	196.4350, -95.3570, -50.5010

# Conversions

## Conversions Part 2

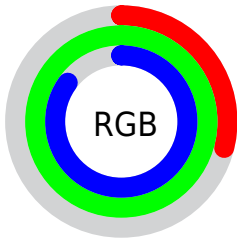
<b>Format</b>	<b>Color</b>
<b>RYB</b>	74, 175, 255
Decimal	4915160
CIELab	90.75, -53.88, 5.62
CIELCh	91, 54.176, 174.048
Yxy	77.9337, 0.2472, 0.3779
Android (android.graphics.Color)	4283105240 (0xFF4AFFD8)
YUV	196.4350, 9.6455, -107.3755
Hunter-Lab	88.2801, -51.4125, 9.8659

# Details

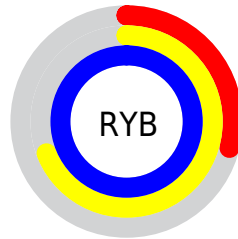
The XYZ color **50.9787, 77.9337, 77.3216** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **46.6703, 27.3510, 18.4441**, and the grayscale version is **52.7164, 55.4618, 60.3979**.

A 20% lighter version of the original color is **65.4871, 84.7597, 107.5165**, and **26.3993, 42.5057, 40.5313** is the 20% darker color. If you saturate the color by 10%, you get **48.6992, 76.8393, 73.5696**, and if you desaturate by 10%, it is **54.0787, 79.4483, 81.2387**.

# Distribution



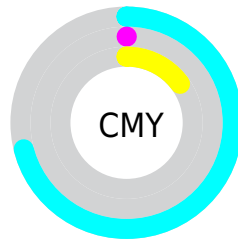
- Red (29%)
- Green (100%)
- Blue (85%)



- Red (29%)
- Yellow (69%)
- Blue (100%)



- Cyan (71%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)



- Cyan (71%)
- Magenta (0%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9787, 77.9337, 77.3216 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 50.9787, 77.9337, 77.3216 by changing the saturation by 10% instead.





 50.9787, 77.9337,  
77.3216


 50.9787, 77.9337,  
77.3216


380.8701,  
487.9416, 505.3266


 36.4126, 58.0195,  
57.0037


 90.8065, 130.4567,  
131.3705


 24.9246, 41.8243,  
40.5989


 116.7989,  
163.8342, 165.9386

 16.1493, 28.9638,  
27.6884


 147.3308,  
202.4684, 206.0939

 9.7214, 19.0534,  
17.8539

 182.7675,  
246.7435, 252.2549

 5.2755, 11.7089,  
10.6768

223.4745,  
297.0440, 304.8401

 2.4462, 6.5458,  
5.7385

269.8170,

 0.8682, 3.1797,

353.7542, 364.2681

2.6205

322.1604,  
417.2587, 430.9574

■ 0.0000, 1.2263,  
0.9030

■ 0.0000, 0.0830,  
0.0000

■ 50.9787, 77.9337,  
77.3216

■ 50.9787, 77.9337,  
77.3216

■ 48.6992, 76.8393,  
73.5696

■ 54.0787, 79.4483,  
81.2387

■ 47.1346, 76.1107,  
69.9725


■ 58.0825, 81.4261,  
85.3220


■ 46.1918, 75.6927,  
66.8533


■ 63.0659, 83.9062,  
89.5775

■ 69.0960, 86.9229,  
94.0094

 76.2336, 90.5078,  
98.6218

 84.5351, 94.6898,  
103.4184

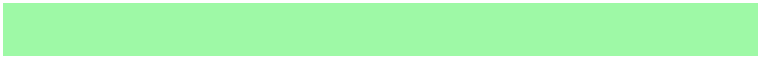
 94.0528, 99.4959,  
108.4027

 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.



54.8477, 77.9337, 48.0279



50.9787, 77.9337, 77.3216



52.6571, 77.9337, 119.2018

# Triad

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



50.9787, 77.9337, 77.3216



85.2557, 77.9337, 173.3278



90.5212, 77.9337, 37.5031

# Complementary

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



50.9787, 77.9337, 77.3216



46.6703, 27.3510, 18.4441

# 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.



100.6283, 77.9337, 57.8370



50.9787, 77.9337, 77.3216



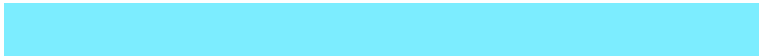
97.3371, 77.9337, 136.8906

# Square

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



50.9787, 77.9337, 77.3216



71.3937, 77.9337, 183.3349



103.2636, 77.9337, 92.8658



76.8198, 77.9337, 30.0175



# Rectangle

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



50.9787, 77.9337, 77.3216



56.8144, 77.9337, 148.3446



103.2636, 77.9337, 92.8658



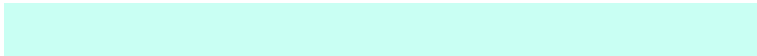
94.5158, 77.9337, 42.6928

# Sweetspot

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



50.9796, 77.9341, 77.3230



76.2160, 90.4990, 98.6111



43.8351, 75.5400, 18.7503



15.8673, 19.1462, 20.8303



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.



50.9796, 77.9341, 77.3230



47.9904, 76.5056, 72.1041



42.4008, 51.7284, 102.3576



18.3774, 20.4105, 22.2904



24.1938, 39.5741, 35.2352



2.3954, 3.8691, 3.6397



# Inverse Universe

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



46.6703, 27.3510, 18.4441



43.5789, 23.3174, 10.7883



49.8466, 36.4951, 10.8971



18.1695, 18.0511, 19.5099



21.9527, 11.2704, 3.1353

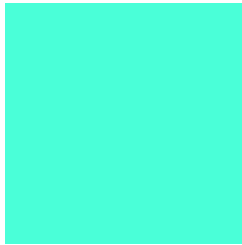


2.1756, 1.1126, 0.5062



# Previews

## White Background



This preview shows how the XYZ color 50.9787, 77.9337, 77.3216 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

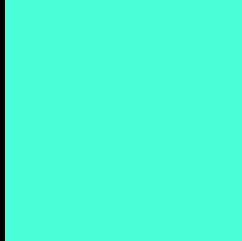
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.9787, 77.9337, 77.3216 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

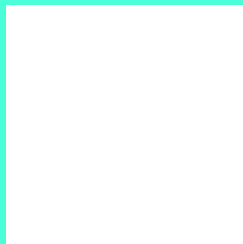
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 50.9787, 77.9337, 77.3216**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.9787, 77.9337, 77.3216.



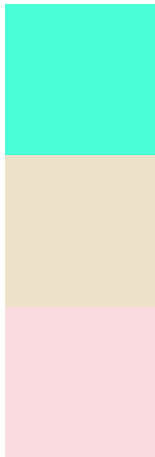
This preview shows how white text looks on a background with the XYZ color 50.9787, 77.9337,



# 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

50.9787, 77.9337, 77.3216

### Protanopia

72.6640, 76.6143, 66.2166

### Deuteranopia

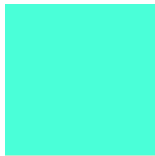
77.8530, 76.1846, 81.1228



## Tritanopia

63.2156, 77.1985, 106.1767

# Trichromacy



## Original Color

50.9787, 77.9337, 77.3216



## Protanomaly

59.7849, 74.4896, 69.6195



## Deuteranomaly

61.9153, 73.2480, 79.2816



## Tritanomaly

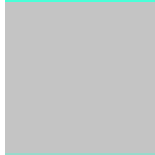
57.4371, 76.6980, 94.9960

# Monochromacy



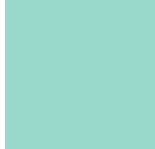
## Original Color

50.9787, 77.9337, 77.3216



## Achromatopsia

52.4687, 55.2011, 60.1140



## Achromatomaly

48.5412, 60.6129, 65.6410

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.9787, 77.9337, 77.3216 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(74, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(74, 255, 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(74, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 255, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 50.9787, 77.9337, 77.3216 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(74, 255, 216) }
```



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

```
.border{ border-color:rgb(74, 255, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 255, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(74, 255,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.9787, 77.9337, 77.3216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 255, 216) }
```

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

```
.background{ background-color: rgb(74, 255,  
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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