

# Converting Colors

XYZ(54.5837, 77.9629, 96.1759)

Have a look what the booklet for  
XYZ(54.5837, 77.9629, 96.1759)  
contains.

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# Color

**XYZ(54.5837, 77.9629,  
96.1759)**

# Conversions

## Conversions Part 1

Format	Color
Hex	55FCF2
RGB	85, 252, 242
RGB Percent	33%, 99%, 95%
CMY	0.6666, 0.0117, 0.0510
CMYK	0.66, 0.00, 0.04, 0.01
HSL	176°, 97%, 66%
HSV	176°, 66%, 99%
XYZ	54.5837, 77.9629, 96.1759
YIQ	200.9270, -96.3220, -38.5140

# Conversions

## Conversions Part 2

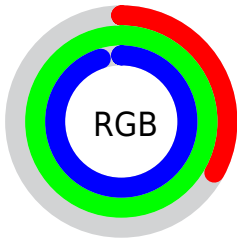
<b>Format</b>	<b>Color</b>
<b>RYB</b>	85, 171, 252
Decimal	5635314
CIELab	90.76, -44.58, -7.82
CIELCh	91, 45.264, 189.951
Yxy	77.9629, 0.2386, 0.3409
Android (android.graphics.Color)	4283825394 (0xFF55FCF2)
YUV	200.9270, 20.2490, -101.6680
Hunter-Lab	88.2966, -44.1729, -2.7732

# Details

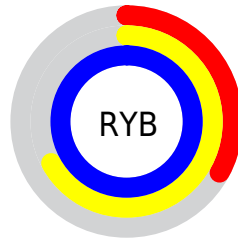
The XYZ color **54.5837, 77.9629, 96.1759** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **45.4615, 28.0209, 13.8415**, and the grayscale version is **55.3960, 58.2809, 63.4678**.

A 20% lighter version of the original color is **66.9469, 85.5123, 107.5848**, and **28.3780, 42.5754, 53.1766** is the 20% darker color. If you saturate the color by 10%, you get **52.4650, 76.8985, 94.8998**, and if you desaturate by 10%, it is **57.5231, 79.4537, 97.5036**.

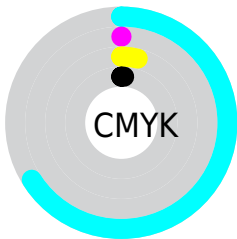
# Distribution



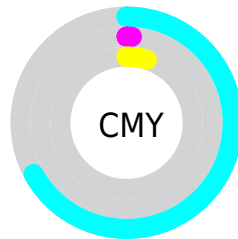
- Red (33%)
- Green (99%)
- Blue (95%)



- Red (33%)
- Yellow (67%)
- Blue (99%)



- Cyan (66%)
- Magenta (0%)
- Yellow (4%)
- Black (1%)




- Cyan (67%)
- Magenta (1%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.5837, 77.9629, 96.1759 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 54.5837, 77.9629, 96.1759 by changing the saturation by 10% instead.





 54.5837, 77.9629,  
96.1759


 54.5837, 77.9629,  
96.1759


394.4941,  
488.0408, 569.0029

 39.3010, 58.0435,  
72.5118


 96.0826, 130.4978,  
157.8977


 27.1758, 41.8436,  
53.0875


 123.0296,  
163.8821, 196.7924

 17.8425, 28.9789,  
37.4844


 154.5954,  
202.5235, 241.6011

 10.9360, 19.0648,  
25.2840

 191.1454,  
246.8064, 292.7423

 6.0908, 11.7171,  
16.0679

233.0449,  
297.1152, 350.6346

 2.9416, 6.5514,  
9.4173

280.6592,

 1.1229, 3.1832,

353.8343, 415.6964

4.9138

334.3539,  
417.3480, 488.3463

■ 0.0442, 1.2281,  
2.1389

■ 0.0000, 0.0845,  
0.6388

■ 54.5837, 77.9629,  
96.1759

■ 54.5837, 77.9629,  
96.1759

■ 52.4650, 76.8985,  
94.8998

■ 57.5231, 79.4537,  
97.5036

■ 51.0690, 76.2048,  
93.6656


■ 61.3539, 81.4020,  
98.8811


■ 50.2848, 75.8261,  
92.4697


■ 66.1471, 83.8463,  
100.3134


■ 50.0846, 75.7324,  
92.0301


■ 71.9646, 86.8184,  
101.8036

 78.8632, 90.3475,  
103.3541

 86.8955, 94.4610,  
104.9676

 93.7124, 97.9476,  
106.5342

 93.9533, 98.0439,  
107.8029

 94.1016, 98.1033,  
108.5839

# Harmonies

## Analogous

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



55.4002, 77.9629, 65.1789



54.5837, 77.9629, 96.1759



58.5713, 77.9629, 131.7832

# Triad

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



54.5837, 77.9629, 96.1759



89.0475, 77.9629, 142.5119



81.8532, 77.9629, 38.6040

# Complementary

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



54.5837, 77.9629, 96.1759



45.4615, 28.0209, 13.8415

# 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.



92.1593, 77.9629, 50.6921



54.5837, 77.9629, 96.1759



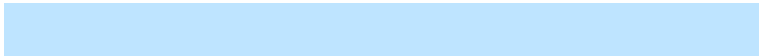
96.5984, 77.9629, 108.2174

# Square

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



54.5837, 77.9629, 96.1759



77.9444, 77.9629, 162.7130



97.7921, 77.9629, 74.5204



70.3868, 77.9629, 36.9413



# Rectangle

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



54.5837, 77.9629, 96.1759



63.6827, 77.9629, 151.4497



97.7921, 77.9629, 74.5204



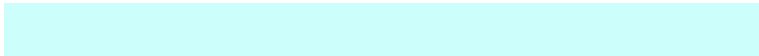
85.5986, 77.9629, 41.4021

# Sweetspot

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



54.5860, 77.9659, 96.1778



78.2239, 91.3822, 105.5658



41.2905, 72.7738, 20.4666



16.3177, 19.3419, 22.4996



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.



54.5860, 77.9659, 96.1778



53.2699, 78.6817, 97.0006



37.5669, 41.4573, 98.1208



17.7183, 19.5896, 21.9830



26.1087, 39.4565, 48.0430



2.4314, 3.6597, 4.5194



# Inverse Universe

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



45.4615, 28.0209, 13.8415



43.3272, 23.9890, 7.0814



53.9066, 45.5926, 14.5552



17.2868, 17.2421, 18.0998



20.9741, 10.8054, 1.3060

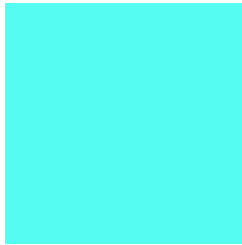


1.9569, 1.0065, 0.1964



# Previews

## White Background



This preview shows how the XYZ color 54.5837, 77.9629, 96.1759 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

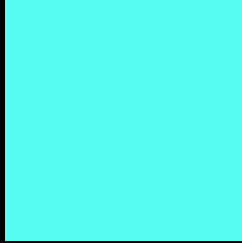
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.5837, 77.9629, 96.1759 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

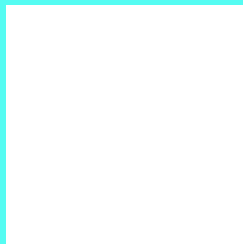
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 54.5837, 77.9629, 96.1759**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.5837, 77.9629, 96.1759.



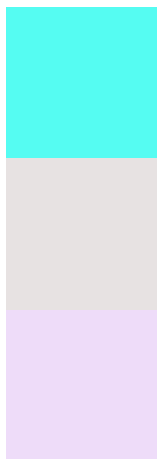
This preview shows how white text looks on a background with the XYZ color 54.5837, 77.9629,



# 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

54.5837, 77.9629, 96.1759

### Protanopia

73.8788, 76.8726, 82.8956

### Deuteranopia

77.9520, 76.2031, 100.2227



## Tritanopia

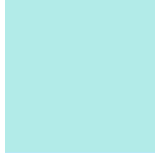
63.4099, 77.2987, 106.1858

# Trichromacy



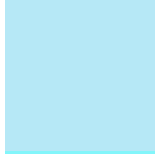
## Original Color

54.5837, 77.9629, 96.1759



## Protanomaly

62.6339, 74.7078, 87.4628



## Deuteranomaly

64.7826, 74.3121, 98.1180



## Tritanomaly

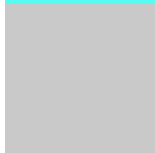
59.2678, 77.0322, 102.1874

# Monochromacy



## Original Color

54.5837, 77.9629, 96.1759



## Achromatopsia

55.5167, 58.4078, 63.6061



## Achromatomaly

52.2859, 63.5152, 74.4696

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.5837, 77.9629, 96.1759 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(85, 252, 242)` looks like.

```
.text, #text, p{  
    color:rgb(85, 252, 242)  
}
```

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(85, 252, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 252, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 54.5837, 77.9629, 96.1759 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(85, 252, 242) }
```



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

```
.border{ border-color:rgb(85, 252, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 252, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 252, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 252, 242);  
box-shadow:4px 4px 4px 4px rgb(85, 252,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.5837, 77.9629, 96.1759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 252, 242) }
```

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

```
.background{ background-color: rgb(85, 252,  
242) }
```

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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