

# Converting Colors

XYZ(54.2419, 74.3850, 84.1719)

Have a look what the booklet for  
XYZ(54.2419, 74.3850, 84.1719)  
contains.

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# Color

**XYZ(54.2419, 74.3850,  
84.1719)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7AF4E3
RGB	122, 244, 227
RGB Percent	48%, 96%, 89%
CMY	0.5215, 0.0431, 0.1098
CMYK	0.50, 0.00, 0.07, 0.04
HSL	172°, 85%, 72%
HSV	172°, 50%, 96%
XYZ	54.2419, 74.3850, 84.1719
YIQ	205.5840, -67.2550, -31.1510

# Conversions

## Conversions Part 2

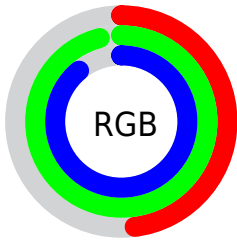
Format	Color
R <sub>Y</sub> B	122, 188, 244
Decimal	8058083
CIE Lab	89.10, -38.30, -2.34
CIE LCh	89, 38.373, 183.497
Yxy	74.3850, 0.2549, 0.3496
Android (android.graphics.Color)	4286248163 (0xFF7AF4E3)
YUV	205.5840, 10.5581, -73.3032
Hunter-Lab	86.2467, -38.6704, 2.5091

# Details

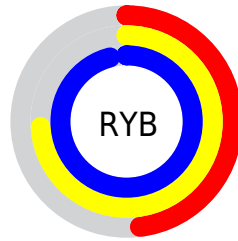
The XYZ color **54.2419, 74.3850, 84.1719** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **48.9306, 35.0185, 28.6093**, and the grayscale version is **58.3678, 61.4075, 66.8728**.

A 20% lighter version of the original color is **73.1014, 88.6851, 107.8728**, and **26.9616, 39.4187, 45.2173** is the 20% darker color. If you saturate the color by 10%, you get **50.7469, 72.6388, 81.5838**, and if you desaturate by 10%, it is **58.6177, 76.5878, 86.8529**.

# Distribution



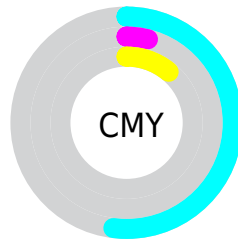
- Red (48%)
- Green (96%)
- Blue (89%)



- Red (48%)
- Yellow (74%)
- Blue (96%)



- Cyan (50%)
- Magenta (0%)
- Yellow (7%)
- Black (4%)




- Cyan (52%)
- Magenta (4%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.2419, 74.3850, 84.1719 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 54.2419, 74.3850, 84.1719 by changing the saturation by 10% instead.





 54.2419, 74.3850,  
84.1719


 54.2419, 74.3850,  
84.1719


393.2151,  
475.8011, 528.9569


 39.0265, 55.1092,  
62.6112


 95.5841, 125.4414,  
141.0795

 26.9612, 39.4892,  
45.0877


 122.4417,  
157.9908, 177.2634

 17.6805, 27.1405,  
31.1831


 153.9108,  
195.7336, 219.1588

 10.8191, 17.6788,  
20.4787

190.3566,  
239.0541, 267.1842

 6.0118, 10.7196,  
12.5559

232.1446,  
288.3366, 321.7582

 2.8930, 5.8786,  
6.9964

279.6401,

 1.0974, 2.7714,

343.9657, 383.2993

3.3814

333.2085,  
406.3258, 452.2260

■ 0.0230, 1.0136,  
1.2925

■ 0.0000, 0.0000,  
0.0557

■ 54.2419, 74.3850,  
84.1719

■ 54.2419, 74.3850,  
84.1719

■ 50.7469, 72.6388,  
81.5838

■ 58.6177, 76.5878,  
86.8529

■ 48.0599, 71.3062,  
79.0800


■ 63.9272, 79.2692,  
89.6246


■ 46.1075, 70.3513,  
76.6584


■ 70.2268, 82.4598,  
92.4916

■ 44.7993, 69.7274,  
74.3145


■ 77.5663, 86.1854,  
95.4565

 43.9847, 69.3569,  
72.0411


 85.9925, 90.4701,  
98.5217

 43.9846, 69.3569,  
72.0408

 90.4430, 92.7043,  
101.4506

 90.9739, 92.9166,  
104.2461

 91.5143, 93.1328,  
107.0922

 91.6419, 93.1838,  
107.7640

# Harmonies

## Analogous

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



55.8110, 74.3850, 60.1338



54.2419, 74.3850, 84.1719



56.7523, 74.3850, 112.8368

# Triad

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



54.2419, 74.3850, 84.1719



81.0866, 74.3850, 131.9220



79.0246, 74.3850, 43.1220

# Complementary

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



54.2419, 74.3850, 84.1719



48.9306, 35.0185, 28.6093

# 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.



86.7656, 74.3850, 55.7857



54.2419, 74.3850, 84.1719



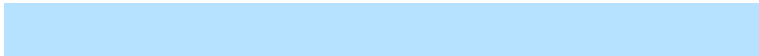
88.0279, 74.3850, 106.1907

# Square

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



54.2419, 74.3850, 84.1719



71.8023, 74.3850, 143.9685



90.1917, 74.3850, 77.8944



69.6105, 74.3850, 39.7263



# Rectangle

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



54.2419, 74.3850, 84.1719



60.5431, 74.3850, 129.7906



90.1917, 74.3850, 77.8944



81.9353, 74.3850, 46.2744

# Sweetspot

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



54.2440, 74.3879, 84.1736



81.5045, 93.1148, 103.8481



46.7318, 71.7111, 29.7926



17.0843, 19.7472, 22.0801



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.



54.2440, 74.3879, 84.1736



56.0444, 80.2668, 90.1382



45.3142, 52.5852, 93.3528



16.8915, 18.7158, 20.7132



23.9538, 37.7264, 39.3723



2.1321, 3.3265, 3.6015



# Inverse Universe

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



48.9306, 35.0185, 28.6093



49.5868, 32.2009, 22.4469



54.2248, 47.4430, 24.7135



16.5932, 16.5201, 17.6042



20.4720, 10.5322, 1.9279

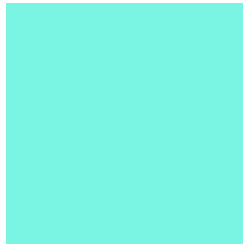


1.8277, 0.9371, 0.3193



# Previews

## White Background



This preview shows how the XYZ color 54.2419, 74.3850, 84.1719 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

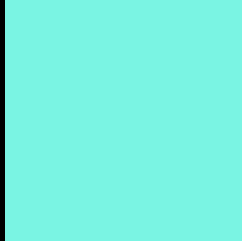
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.2419, 74.3850, 84.1719 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

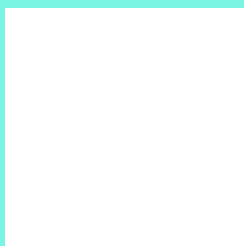
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 54.2419, 74.3850, 84.1719**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.2419, 74.3850, 84.1719.



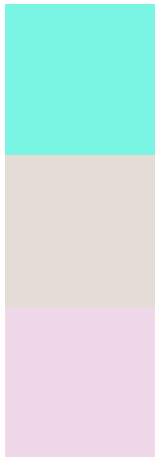
This preview shows how white text looks on a background with the XYZ color 54.2419, 74.3850,



# 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

54.2419, 74.3850, 84.1719

### Protanopia

69.9890, 73.0619, 74.0319

### Deuteranopia

74.8605, 73.3456, 87.3023



## Tritanopia

60.3016, 74.3888, 105.7880

# Trichromacy



## Original Color

54.2419, 74.3850, 84.1719



## Protanomaly

61.7918, 71.9719, 77.6530



## Deuteranomaly

64.3851, 71.8980, 86.0855



## Tritanomaly

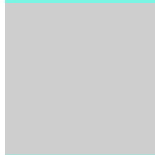
57.9580, 74.2311, 97.6595

# Monochromacy



## Original Color

54.2419, 74.3850, 84.1719



## Achromatopsia

58.6655, 61.7207, 67.2138



## Achromatomaly

55.4100, 65.1554, 73.2742

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.2419, 74.3850, 84.1719 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(122, 244, 227)` looks like.

```
.text, #text, p{  
    color:rgb(122, 244, 227)  
}
```

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(122, 244, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 244, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 54.2419, 74.3850, 84.1719 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(122, 244, 227) }
```



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

```
.border{ border-color:rgb(122, 244, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 244, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 244, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 244, 227);  
box-shadow:4px 4px 4px 4px rgb(122, 244,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.2419, 74.3850, 84.1719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 244, 227) }
```

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

```
.background{ background-color: rgb(122,  
244, 227) }
```

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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