

Converting Colors

XYZ(54.9098, 77.8081, 76.5434)

Have a look what the booklet for
XYZ(54.9098, 77.8081, 76.5434)
contains.

XYZ(54.7635, 77.5626, 76.3747)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(54.7635, 77.5626,
76.3747)**

Conversions

Conversions Part 1

Format	Color
Hex	7CFAD7
RGB	124, 250, 215
RGB Percent	49%, 98%, 84%
CMY	0.5137, 0.0196, 0.1569
CMYK	0.50, 0.00, 0.14, 0.02
HSL	163°, 93%, 73%
HSV	163°, 50%, 98%
XYZ	54.7635, 77.5626, 76.3747
YIQ	208.3360, -63.8610, -37.5970

Conversions

Conversions Part 2

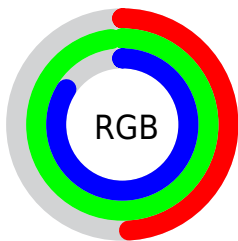
Format	Color
RYB	124, 197, 250
Decimal	8190679
CIELab	90.58, -43.34, 6.06
CIELCh	91, 43.759, 172.045
Yxy	77.5626, 0.2624, 0.3716
Android (android.graphics.Color)	4286380759 (0xFF7CFAD7)
YUV	208.3360, 3.2854, -73.9627
Hunter-Lab	88.0696, -43.1269, 10.2320

Details

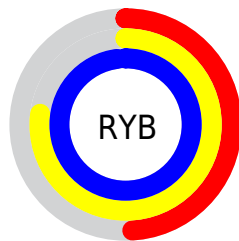
The XYZ color **54.7635, 77.5626, 76.3747** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **52.8926, 37.2445, 37.2049**, and the grayscale version is **60.1831, 63.3173, 68.9525**.

A 20% lighter version of the original color is **73.5772, 88.9303, 107.8951**, and **27.2786, 41.6387, 39.8570** is the 20% darker color. If you saturate the color by 10%, you get **50.7251, 75.5836, 71.6268**, and if you desaturate by 10%, it is **59.7599, 80.0350, 81.3686**.

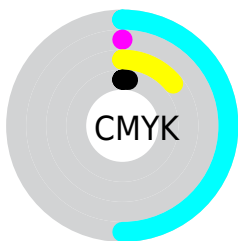
Distribution



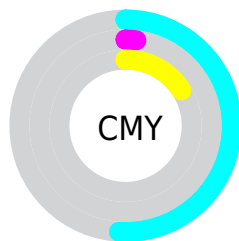
- Red (49%)
- Green (98%)
- Blue (84%)



- Red (49%)
- Yellow (77%)
- Blue (98%)



- Cyan (50%)
- Magenta (0%)
- Yellow (14%)
- Black (2%)





- Cyan (51%)
- Magenta (2%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.7635, 77.5626, 76.3747 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 54.7635, 77.5626, 76.3747 by changing the saturation by 10% instead.


 54.7635, 77.5626,
76.3747


 54.7635, 77.5626,
76.3747


395.1658,
486.6801, 502.0103


 39.4455, 57.7147,
56.2313


 96.3447, 129.9333,
130.0214

 27.2888, 41.5794,
39.9832


 123.3386,
163.2250, 164.3617

 17.9279, 28.7721,
27.2117


 154.9552,
201.7667, 204.2715

 10.9976, 18.9085,
17.4985

191.5598,
245.9429, 250.1692

 6.1325, 11.6041,
10.4248

233.5179,
296.1380, 302.4734

 2.9673, 6.4747,
5.5723

281.1946,

 1.1365, 3.1358,

352.7362, 361.6026

2.5222

334.9555,
416.1221, 427.9754

■ 0.0553, 1.2031,
0.8519

■ 0.0000, 0.0642,
0.0000

■ 54.7635, 77.5626,
76.3747

■ 54.7635, 77.5626,
76.3747

■ 50.7251, 75.5836,
71.6268

■ 59.7599, 80.0350,
81.3686

■ 47.5670, 74.0522,
67.1138


■ 65.7713, 83.0242,
86.6084

■ 45.2101, 72.9295,
62.8312


■ 72.8581, 86.5634,
92.1011

■ 43.5571, 72.1655,
58.7720

■ 81.0739, 90.6800,
97.8514

 42.4818, 71.6918,
55.0755

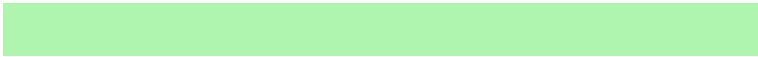
 90.4685, 95.3998,
103.8640

 93.4770, 96.8539,
108.3757

Harmonies

Analogous

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



58.3265, 77.5626, 52.5146



54.7635, 77.5626, 76.3747



55.8678, 77.5626, 109.1816

Triad

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



54.7635, 77.5626, 76.3747



81.9139, 77.5626, 153.6258



87.4516, 77.5626, 45.2539

Complementary

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



54.7635, 77.5626, 76.3747



52.8926, 37.2445, 37.2049

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.



95.0219, 77.5626, 63.7713



54.7635, 77.5626, 76.3747



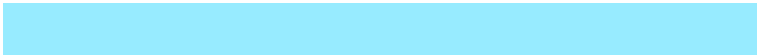
91.6105, 77.5626, 127.2600

Square

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



54.7635, 77.5626, 76.3747



70.8436, 77.5626, 159.4046



96.6148, 77.5626, 93.0807



76.6751, 77.5626, 37.6845

Rectangle

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



54.7635, 77.5626, 76.3747



59.1571, 77.5626, 131.6446



96.6148, 77.5626, 93.0807



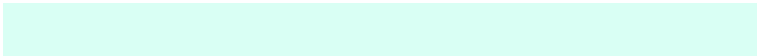
90.4981, 77.5626, 50.1482

Sweetspot

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



54.7657, 77.5657, 76.3765



80.6871, 92.7878, 99.5434



52.2634, 77.2724, 31.2305



16.8859, 19.6678, 21.0355



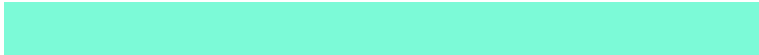
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



54.7657, 77.5657, 76.3765



53.1860, 79.1234, 75.0859



51.8774, 63.8052, 100.0275



17.5481, 19.5215, 21.0867



22.5970, 38.0518, 29.5507



2.1378, 3.5422, 2.9736

Inverse Universe

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



52.8926, 37.2445, 37.2049



51.0639, 32.7918, 30.2256



54.1798, 44.0113, 24.7095



17.4427, 17.3045, 18.9212



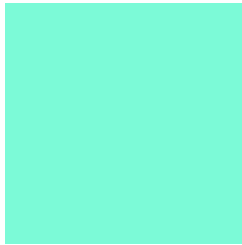
21.5413, 11.0322, 4.2927



2.0380, 1.0389, 0.6235

Previews

White Background



This preview shows how the XYZ color 54.7635, 77.5626, 76.3747 looks on a white background.

Color Contrast Check

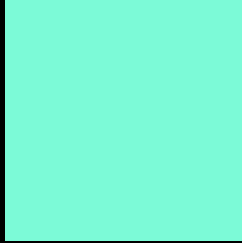
Large Text (above 18pt) WCAG AA × Fail

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 54.7635, 77.5626, 76.3747 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 54.7635, 77.5626, 76.3747

Background



This preview shows how black text looks on a background with the XYZ color 54.7635, 77.5626, 76.3747.

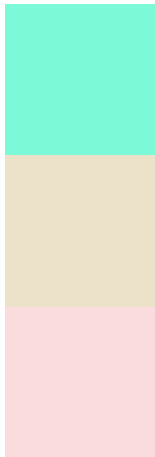


This preview shows how white text looks on a background with the XYZ color 54.7635, 77.5626, 76.3747.

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

54.7635, 77.5626, 76.3747

Protanopia

72.4491, 76.4898, 66.8227

Deuteranopia

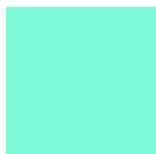
77.9407, 76.2610, 79.7192



Tritanopia

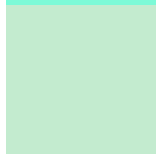
64.2263, 76.8455, 106.0553

Trichromacy



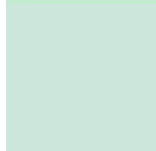
Original Color

54.7635, 77.5626, 76.3747



Protanomaly

63.4765, 75.5238, 70.2635



Deuteranomaly

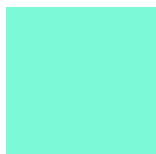
65.9848, 74.5455, 77.9288



Tritanomaly

60.1732, 76.7820, 94.0870

Monochromacy



Original Color

54.7635, 77.5626, 76.3747



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

56.2770, 66.8256, 71.5605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.7635, 77.5626, 76.3747 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(124, 250, 215)` looks like.

```
.text, #text, p{  
    color:rgb(124, 250, 215)  
}
```

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(124, 250, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 250, 215) }
```

Border

The CSS property to change the border of an element to XYZ 54.7635, 77.5626, 76.3747 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(124, 250, 215) }
```


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

```
.border{ border-color:rgb(124, 250, 215) }
```

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

Here you see how a box with a 4 pixel rgb(124, 250, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 250, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 250, 215);  
box-shadow:4px 4px 4px 4px rgb(124, 250,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 54.7635, 77.5626, 76.3747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 250, 215) }
```

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

```
.background{ background-color: rgb(124,  
250, 215) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor