

Converting Colors

XYZ(54.9747, 79.7752, 87.3698)

Have a look what the booklet for
XYZ(54.9747, 79.7752, 87.3698)
contains.

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Color

**XYZ(54.9727, 79.7746,
87.3636)**

Conversions

Conversions Part 1

Format	Color
Hex	61FFE6
RGB	97, 255, 230
RGB Percent	38%, 100%, 90%
CMY	0.6196, 0.0000, 0.0980
CMYK	0.62, 0.00, 0.10, 0.00
HSL	171°, 100%, 69%
HSV	171°, 62%, 100%
XYZ	54.9727, 79.7746, 87.3636
YIQ	204.9080, -86.1430, -41.2710

Conversions

Conversions Part 2

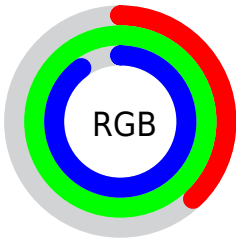
Format	Color
RYB	97, 183, 255
Decimal	6422502
CIELab	91.58, -47.14, -0.36
CIElCh	92, 47.136, 180.434
Yxy	79.7746, 0.2475, 0.3592
Android (android.graphics.Color)	4284612582 (0xFF61FFE6)
YUV	204.9080, 12.3704, -94.6353
Hunter-Lab	89.3166, -46.4407, 4.5281

Details

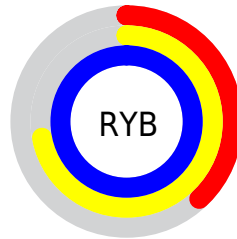
The XYZ color **54.9727, 79.7746, 87.3636** is a light color, and the websafe version is hex **33FFFF**. A complement of this color would be **49.0284, 31.2158, 21.8550**, and the grayscale version is **57.9336, 60.9507, 66.3753**.

A 20% lighter version of the original color is **68.7103, 86.4214, 107.6673**, and **27.7041, 43.0277, 47.4024** is the 20% darker color. If you saturate the color by 10%, you get **52.1188, 78.3680, 84.3075**, and if you desaturate by 10%, it is **58.7145, 81.6373, 90.5325**.

Distribution



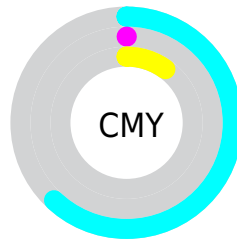
- Red (38%)
- Green (100%)
- Blue (90%)



- Red (38%)
- Yellow (72%)
- Blue (100%)



- Cyan (62%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)




- Cyan (62%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.9727, 79.7746, 87.3636 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 54.9727, 79.7746, 87.3636 by changing the saturation by 10% instead.


 54.9727, 79.7746,
87.3636


 54.9727, 79.7746,
87.3636


395.9465,
494.1729, 539.7641


 39.6136, 59.5329,
65.2348


 96.6495, 133.0488,
145.5742

 27.4203, 43.0422,
47.1989


 123.6980,
166.8500, 182.4930

 18.0273, 29.9183,
32.8375


 155.3736,
205.9400, 225.1790

 11.0694, 19.7766,
21.7319

192.0417,
250.7029, 274.0506

 6.1812, 12.2327,
13.4636

234.0677,
301.5233, 329.5263

 2.9973, 6.9024,
7.6141

281.8169,

 1.1523, 3.4011,

358.7855, 392.0248

3.7648

335.6548,
422.8739, 461.9646

0.0682, 1.3446,
1.4972

0.0000, 0.1753,
0.2159

54.9727, 79.7746,
87.3636

54.9727, 79.7746,
87.3636

52.1188, 78.3680,
84.3075

58.7145, 81.6373,
90.5325

50.0628, 77.3713,
81.3555

63.4170, 83.9937,
93.8138

48.7004, 76.7307,
78.5034

69.1487, 86.8793,
97.2127

47.9812, 76.4085,
76.2761

75.9711, 90.3255,
100.7324

■ 83.9405, 94.3615,
104.3761

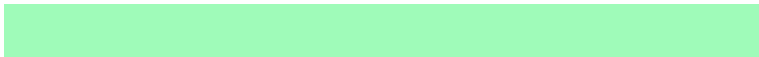
■ 93.1097, 99.0144,
108.1466

■ 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.



57.4379, 79.7746, 58.1125



54.9727, 79.7746, 87.3636



57.5836, 79.7746, 124.9072

Triad

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



54.9727, 79.7746, 87.3636



88.1491, 79.7746, 157.3796



87.8140, 79.7746, 41.0569

Complementary

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



54.9727, 79.7746, 87.3636



49.0284, 31.2158, 21.8550

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.



97.5576, 79.7746, 57.4504



54.9727, 79.7746, 87.3636



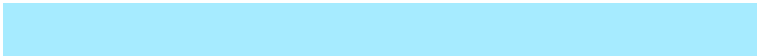
97.7650, 79.7746, 123.8034

Square

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



54.9727, 79.7746, 87.3636



75.9987, 79.7746, 171.3303



101.3743, 79.7746, 86.3603



75.6483, 79.7746, 36.0450

Rectangle

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



54.9727, 79.7746, 87.3636



62.0285, 79.7746, 148.5621



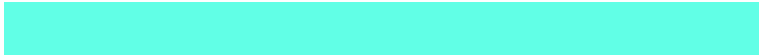
101.3743, 79.7746, 86.3603



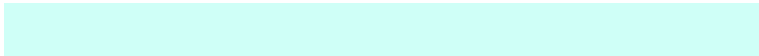
91.5253, 79.7746, 45.1603

Sweetspot

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



54.9737, 79.7750, 87.3650



78.2067, 91.4567, 101.7973



46.1349, 76.6192, 23.6683



16.2764, 19.3412, 21.5684



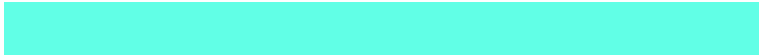
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



54.9737, 79.7750, 87.3650



51.6372, 78.1328, 83.6964



44.1798, 52.1604, 102.3472



18.4241, 20.4292, 22.5363



25.1175, 39.9436, 40.0996



2.4773, 3.9018, 4.0713

Inverse Universe

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



49.0284, 31.2158, 21.8550



45.3243, 26.0390, 13.7413



54.2519, 43.8310, 16.9117



18.1265, 18.0339, 19.2835



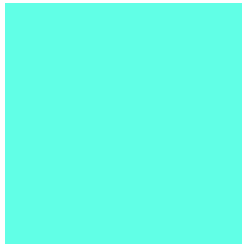
21.7865, 11.2039, 2.2601



2.1534, 1.1037, 0.3892

Previews

White Background



This preview shows how the XYZ color 54.9727, 79.7746, 87.3636 looks on a white background.

Color Contrast Check

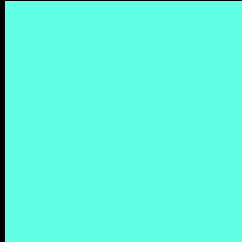
Large Text (above 18pt) WCAG AA × Fail

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 54.9727, 79.7746, 87.3636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

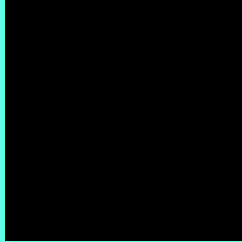
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 54.9727, 79.7746, 87.3636

Background



This preview shows how black text looks on a background with the XYZ color 54.9727, 79.7746, 87.3636.



This preview shows how white text looks on a background with the XYZ color 54.9727, 79.7746,

Color Blindness Simulation

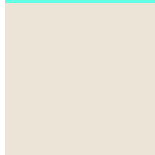
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



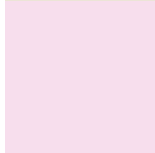
Original Color

54.9727, 79.7746, 87.3636



Protanopia

74.6012, 78.2260, 75.4572



Deuteranopia

79.7651, 78.1311, 90.9975



Tritanopia

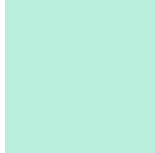
66.1643, 79.1593, 106.3998

Trichromacy



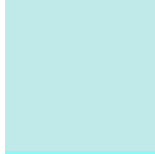
Original Color

54.9727, 79.7746, 87.3636



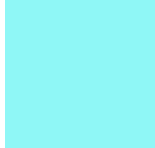
Protanomaly

63.5004, 76.6307, 79.1545



Deuteranomaly

66.0123, 75.9926, 89.0307



Tritanomaly

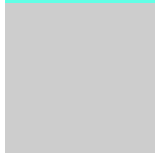
61.2230, 79.0150, 99.2134

Monochromacy



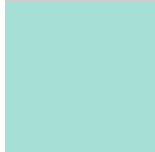
Original Color

54.9727, 79.7746, 87.3636



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

54.2512, 65.7374, 73.4476

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.9727, 79.7746, 87.3636 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(97, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(97, 255, 230)  
}
```

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(97, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 255, 230) }
```

Border

The CSS property to change the border of an element to XYZ 54.9727, 79.7746, 87.3636 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(97, 255, 230) }
```


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

```
.border{ border-color:rgb(97, 255, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 255, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(97, 255,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 54.9727, 79.7746, 87.3636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 255, 230) }
```

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

```
.background{ background-color: rgb(97, 255,  
230) }
```

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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