

Converting Colors

XYZ(54.8928, 77.5859,
106.6902)

Have a look what the booklet for
XYZ(54.8928, 77.5859, 106.6902)
contains.

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Color

**XYZ(54.7939, 77.3726,
106.6542)**

Conversions

Conversions Part 1

Format	Color
Hex	42FBFF
RGB	66, 251, 255
RGB Percent	26%, 98%, 100%
CMY	0.7411, 0.0157, 0.0000
CMYK	0.74, 0.02, 0.00, 0.00
HSL	181°, 100%, 63%
HSV	181°, 74%, 100%
XYZ	54.7939, 77.3726, 106.6542
YIQ	196.1410, -111.5440, -37.9760

Conversions

Conversions Part 2

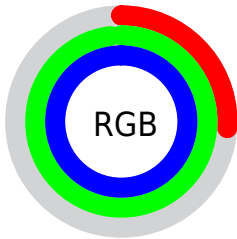
Format	Color
RYB	66, 159, 255
Decimal	4389887
CIELab	90.49, -42.89, -15.02
CIELCh	90, 45.439, 199.299
Yxy	77.3726, 0.2294, 0.3240
Android (android.graphics.Color)	4282579967 (0xFF42FBFF)
YUV	196.1410, 29.0175, -114.1337
Hunter-Lab	87.9617, -42.7401, -10.3164

Details

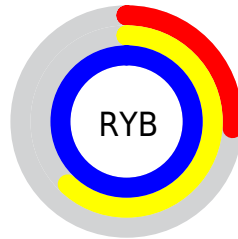
The XYZ color **54.7939, 77.3726, 106.6542** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **44.4145, 26.0350, 7.8406**, and the grayscale version is **52.4364, 55.1672, 60.0770**.

A 20% lighter version of the original color is **64.9653, 84.4908, 107.4921**, and **29.4848, 42.6608, 60.1064** is the 20% darker color. If you saturate the color by 10%, you get **53.2753, 76.3417, 106.5353**, and if you desaturate by 10%, it is **57.0822, 78.8044, 106.8100**.

Distribution



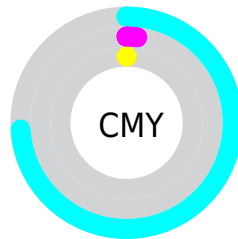
- Red (26%)
- Green (98%)
- Blue (100%)



- Red (26%)
- Yellow (62%)
- Blue (100%)



- Cyan (74%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (74%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.7939, 77.3726, 106.6542 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 54.7939, 77.3726, 106.6542 by changing the saturation by 10% instead.


 54.7939, 77.3726,
106.6542


 54.7939, 77.3726,
106.6542


395.2793,
486.0335, 602.7504


 39.4699, 57.5587,
81.2215


 96.3890, 129.6653,
172.4033


 27.3079, 41.4540,
60.1920


 123.3908,
162.9129, 213.5567

 17.9424, 28.6740,
43.1471


 155.0160,
201.4073, 260.7875

 11.0080, 18.8343,
29.6683

 191.6299,
245.5327, 314.5142

 6.1396, 11.5506,
19.3370

233.5978,
295.6737, 375.1553

 2.9716, 6.4385,
11.7348

281.2851,

 1.1388, 3.1135,

352.2145, 443.1293

6.4430

335.0572,
415.5397, 518.8548

■ 0.0572, 1.1913,
3.0432

■ 0.0000, 0.0546,
1.1167

■ 54.7939, 77.3726,
106.6542

■ 54.7939, 77.3726,
106.6542

■ 53.2753, 76.3417,
106.5353

■ 57.0822, 78.8044,
106.8100

■ 52.4096, 75.6464,
106.4467

■ 60.2241, 80.6752,
107.0055

■ 52.1139, 75.3477,
106.4046

■ 64.2994, 83.0280,
107.2448

■ 69.3772, 85.8983,
107.5312

■ 75.5200, 89.3182,
107.8676

■ 82.7851, 93.3175,
108.2566

■ 91.2258, 97.9236,
108.7008

■ 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.



54.1003, 77.3726, 73.1574



54.7939, 77.3726, 106.6542



60.1982, 77.3726, 141.1167

Triad

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



54.7939, 77.3726, 106.6542



91.3710, 77.3726, 131.9693



77.6705, 77.3726, 36.5204

Complementary

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



54.7939, 77.3726, 106.6542



44.4145, 26.0350, 7.8406

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.



88.7212, 77.3726, 45.1676



54.7939, 77.3726, 106.6542



97.1551, 77.3726, 96.4011

Square

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



54.7939, 77.3726, 106.6542



80.9970, 77.3726, 158.1391



96.1383, 77.3726, 65.2186



66.5559, 77.3726, 37.9283

Rectangle

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



54.7939, 77.3726, 106.6542



66.0873, 77.3726, 157.3441



96.1383, 77.3726, 65.2186



81.5336, 77.3726, 38.2366

Sweetspot

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



54.7960, 77.3754, 106.6546



76.9594, 90.1139, 107.9453



39.0869, 73.1104, 17.7084



16.0790, 19.0705, 23.0835



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.



54.7960, 77.3754, 106.6546



52.7783, 75.9637, 106.4885



32.4151, 32.6136, 99.1943



18.5200, 20.4116, 23.2137



27.2455, 39.4007, 55.6037



2.6629, 3.8565, 5.4173

Inverse Universe

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



60.6022, 32.1232, 94.2762



58.9433, 29.0076, 93.1001



55.4378, 48.0816, 11.5151



18.7751, 18.2934, 22.6989



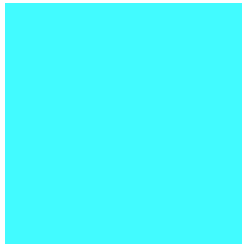
30.5405, 14.7055, 48.3581



2.9787, 1.4339, 4.7352

Previews

White Background



This preview shows how the XYZ color 54.7939, 77.3726, 106.6542 looks on a white background.

Color Contrast Check

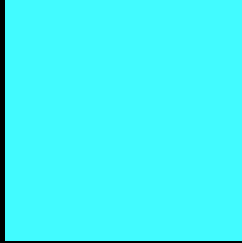
Large Text (above 18pt) WCAG AA × Fail

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 54.7939, 77.3726, 106.6542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

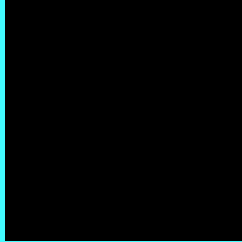
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 54.7939, 77.3726, 106.6542

Background



This preview shows how black text looks on a background with the XYZ color 54.7939, 77.3726, 106.6542.

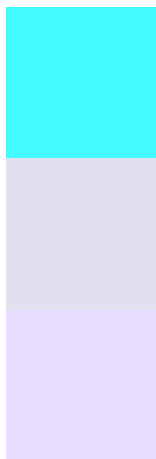


This preview shows how white text looks on a background with the XYZ color 54.7939, 77.3726,

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

54.7939, 77.3726, 106.6542

Protanopia

73.4523, 75.6531, 91.6201

Deuteranopia

76.5396, 75.7559, 105.1960



Tritanopia

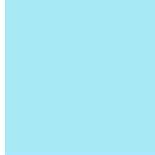
62.0830, 76.6146, 106.1237

Trichromacy



Original Color

54.7939, 77.3726, 106.6542



Protanomaly

61.9004, 73.7021, 96.5514



Deuteranomaly

63.4842, 73.4793, 105.4447



Tritanomaly

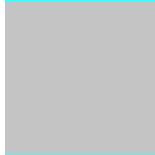
58.3102, 76.4468, 106.2902

Monochromacy



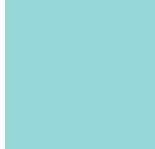
Original Color

54.7939, 77.3726, 106.6542



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

49.4747, 60.5110, 74.7178

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.7939, 77.3726, 106.6542 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(66, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(66, 251, 255)  
}
```

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(66, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 251, 255) }
```

Border

The CSS property to change the border of an element to XYZ 54.7939, 77.3726, 106.6542 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(66, 251, 255) }
```


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

```
.border{ border-color:rgb(66, 251, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(66, 251,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 54.7939, 77.3726, 106.6542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 251, 255) }
```

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

```
.background{ background-color: rgb(66, 251,  
255) }
```

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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