

Converting Colors

XYZ(51.8327, 75.8983, 94.4932)

Have a look what the booklet for
XYZ(51.8327, 75.8983, 94.4932)
contains.

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Color

**XYZ(51.9703, 76.1852,
94.4042)**

Conversions

Conversions Part 1

Format	Color
Hex	3AFBF0
RGB	58, 251, 240
RGB Percent	23%, 98%, 94%
CMY	0.7725, 0.0157, 0.0588
CMYK	0.77, 0.00, 0.04, 0.02
HSL	177°, 96%, 61%
HSV	177°, 77%, 98%
XYZ	51.9703, 76.1852, 94.4042
YIQ	192.0390, -111.4970, -44.3370

Conversions

Conversions Part 2

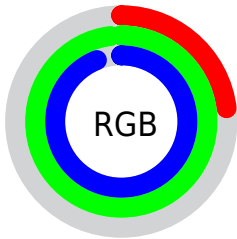
Format	Color
RYB	58, 157, 251
Decimal	3865584
CIELab	89.95, -47.80, -8.05
CIElCh	90, 48.472, 189.555
Yxy	76.1852, 0.2335, 0.3423
Android (android.graphics.Color)	4282055664 (0xFF3AFBF0)
YUV	192.0390, 23.6448, -117.5522
Hunter-Lab	87.2841, -46.4656, -3.0276

Details

The XYZ color **51.9703, 76.1852, 94.4042** 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 **42.3735, 23.9673, 8.0257**, and the grayscale version is **50.0420, 52.6481, 57.3338**.

A 20% lighter version of the original color is **63.9633, 83.9742, 107.4452**, and **27.9435, 42.0443, 51.9900** is the 20% darker color. If you saturate the color by 10%, you get **50.6395, 75.5253, 93.2382**, and if you desaturate by 10%, it is **54.0177, 77.2177, 95.6159**.

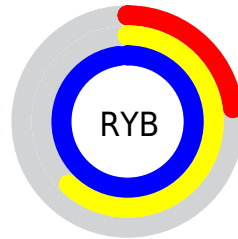
Distribution



Red (23%)

Green (98%)

Blue (94%)



Red (23%)

Yellow (62%)

Blue (98%)

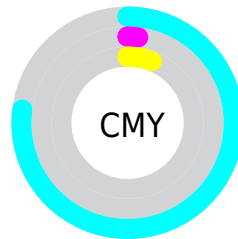


Cyan (77%)

Magenta (0%)

Yellow (4%)

Black (2%)



Cyan (77%)


Magenta (2%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.9703, 76.1852, 94.4042 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 51.9703, 76.1852, 94.4042 by changing the saturation by 10% instead.


 51.9703, 76.1852,
94.4042


 51.9703, 76.1852,
94.4042


384.6478,
481.9814, 563.1914

 37.2056, 56.5844,
71.0450


 92.2619, 127.9887,
155.4297

 25.5411, 40.6717,
51.8969


 118.5195,
160.9601, 193.9332

 16.6115, 28.0626,
36.5412


 149.3388,
199.1572, 238.3218

 10.0515, 18.3729,
24.5595

 185.0851,
242.9644, 289.0141

 5.4956, 11.2180,
15.5331

226.1238,
292.7660, 346.4287

 2.5786, 6.2137,
9.0436

272.8203,

 0.9351, 2.9754,

348.9464, 410.9841

4.6725

325.5398,
411.8901, 483.0988

■ 0.0000, 1.1189,
2.0010

■ 0.0000, 0.0000,
0.5559

■ 51.9703, 76.1852,
94.4042

■ 51.9703, 76.1852,
94.4042

■ 50.6395, 75.5253,
93.2382

■ 54.0177, 77.2177,
95.6159


■ 49.9027, 75.1698,
92.1071


■ 56.8660, 78.6612,
96.8721


■ 49.7398, 75.0933,
91.7599


■ 60.5950, 80.5585,
98.1783


■ 65.2733, 82.9450,
99.5378

 70.9624, 85.8525,
100.9534

 77.7190, 89.3100,
102.4278

 85.5953, 93.3445,
103.9635

 93.2219, 97.2501,
105.4963

 93.4489, 97.3410,
106.6918

Harmonies

Analogous

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



52.8835, 76.1852, 61.9572



51.9703, 76.1852, 94.4042



56.0486, 76.1852, 132.5132

Triad

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



51.9703, 76.1852, 94.4042



88.1106, 76.1852, 144.9965



80.7687, 76.1852, 35.1856

Complementary

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



51.9703, 76.1852, 94.4042



42.3735, 23.9673, 8.0257

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.



91.6848, 76.1852, 47.6053



51.9703, 76.1852, 94.4042



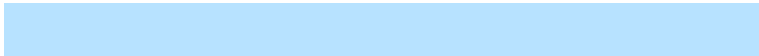
96.2377, 76.1852, 108.2247

Square

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



51.9703, 76.1852, 94.4042



76.3070, 76.1852, 166.6015



97.6134, 76.1852, 72.4669



68.6513, 76.1852, 33.3859

Rectangle

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



51.9703, 76.1852, 94.4042



61.3449, 76.1852, 153.9021



97.6134, 76.1852, 72.4669



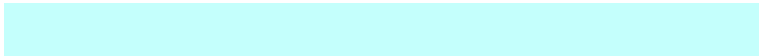
84.7355, 76.1852, 38.0521

Sweetspot

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



51.9726, 76.1881, 94.4060



76.1324, 90.3093, 105.2291



37.8522, 70.6374, 15.6442



15.7792, 19.0658, 22.4065



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.



51.9726, 76.1881, 94.4060



52.0276, 78.0613, 96.0353



33.0464, 35.6403, 96.4075



17.7206, 19.5905, 21.9951



26.1632, 39.4783, 48.3304



2.4358, 3.6614, 4.5429

Inverse Universe

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



42.3735, 23.9673, 8.0257



41.7828, 21.8887, 3.5191



50.1691, 40.0555, 9.0922



17.2847, 17.2412, 18.0891



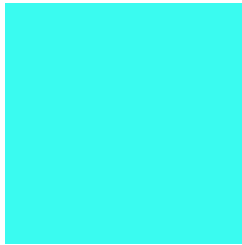
20.9709, 10.8041, 1.2894



1.9559, 1.0061, 0.1913

Previews

White Background



This preview shows how the XYZ color 51.9703, 76.1852, 94.4042 looks on a white background.

Color Contrast Check

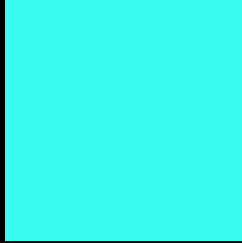
Large Text (above 18pt) WCAG AA × Fail

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 51.9703, 76.1852, 94.4042 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

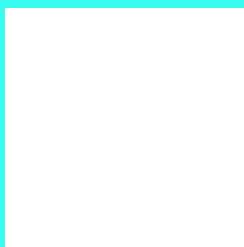
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.9703, 76.1852, 94.4042

Background



This preview shows how black text looks on a background with the XYZ color 51.9703, 76.1852, 94.4042.

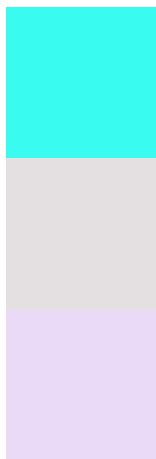


This preview shows how white text looks on a background with the XYZ color 51.9703, 76.1852,

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

51.9703, 76.1852, 94.4042

Protanopia

71.8371, 74.6512, 81.1439

Deuteranopia

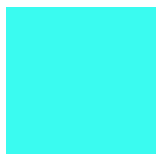
76.1209, 74.5204, 98.3676



Tritanopia

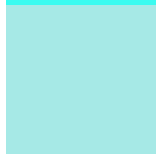
60.3654, 75.2910, 105.9588

Trichromacy



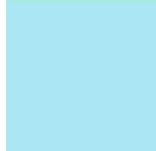
Original Color

51.9703, 76.1852, 94.4042



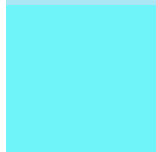
Protanomaly

59.1477, 72.0980, 85.6618



Deuteranomaly

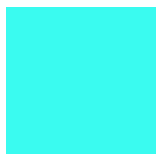
61.4205, 71.7832, 96.2063



Tritanomaly

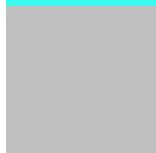
56.1615, 74.9830, 101.9556

Monochromacy



Original Color

51.9703, 76.1852, 94.4042



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

46.6306, 58.0316, 69.0651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9703, 76.1852, 94.4042 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(58, 251, 240)` looks like.

```
.text, #text, p{  
    color:rgb(58, 251, 240)  
}
```

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(58, 251, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 251, 240) }
```

Border

The CSS property to change the border of an element to XYZ 51.9703, 76.1852, 94.4042 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(58, 251, 240) }
```


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

```
.border{ border-color:rgb(58, 251, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 251, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 251, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 251, 240);  
box-shadow:4px 4px 4px 4px rgb(58, 251,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9703, 76.1852, 94.4042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 251, 240) }
```

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

```
.background{ background-color: rgb(58, 251,  
240) }
```

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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