

Converting Colors

XYZ(53.0020, 52.0698,
107.9093)

Have a look what the booklet for
XYZ(53.0020, 52.0698, 107.9093)
contains.

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Color

**XYZ(51.9735, 51.7222,
101.8518)**

Conversions

Conversions Part 1

Format	Color
Hex	A6BDFF
RGB	166, 189, 255
RGB Percent	65%, 74%, 100%
CMY	0.3490, 0.2588, 0.0000
CMYK	0.35, 0.26, 0.00, 0.00
HSL	224°, 100%, 83%
HSV	224°, 35%, 100%
XYZ	51.9735, 51.7222, 101.8518
YIQ	189.6470, -34.8940, 15.6500

Conversions

Conversions Part 2

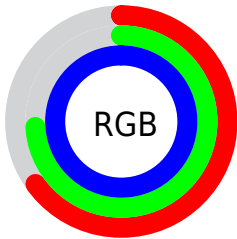
Format	Color
RYB	166, 184, 255
Decimal	10927615
CIELab	77.11, 7.51, -35.06
CIELCh	77, 35.853, 282.098
Yxy	51.7222, 0.2529, 0.2516
Android (android.graphics.Color)	4289117695 (0xFFA6BDFF)
YUV	189.6470, 32.2190, -20.7384
Hunter-Lab	71.9181, 3.1409, -33.6249

Details

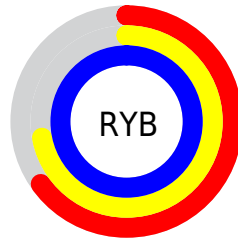
The XYZ color **51.9735, 51.7222, 101.8518** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **76.9801, 81.7269, 47.7959**, and the grayscale version is **48.5771, 51.1069, 55.6554**.

A 20% lighter version of the original color is **81.1338, 88.2128, 107.3583**, and **25.5527, 25.0650, 56.9173** is the 20% darker color. If you saturate the color by 10%, you get **43.3426, 41.6239, 100.3575**, and if you desaturate by 10%, it is **62.1976, 63.4314, 103.5731**.

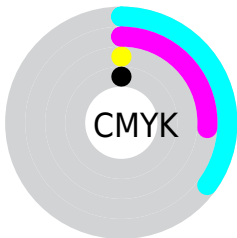
Distribution



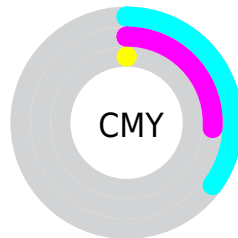
- Red (65%)
- Green (74%)
- Blue (100%)



- Red (65%)
- Yellow (72%)
- Blue (100%)



- Cyan (35%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.9735, 51.7222, 101.8518 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 51.9735, 51.7222, 101.8518 by changing the saturation by 10% instead.

■ 51.9735, 51.7222,
101.8518

■ 51.9735, 51.7222,
101.8518

384.6599,
393.3632, 587.4108

■ 37.2081, 36.7837,
77.2225

■ 92.2666, 92.7214,
165.7737

■ 25.5431, 25.0401,
56.9228

■ 118.5251,
119.5509, 205.9033

■ 16.6130, 16.1069,
40.5343

149.3453,
151.1129, 252.0368

■ 10.0526, 9.5998,
27.6385

185.0926,
187.7917, 304.5927

■ 5.4964, 5.1345,
17.8166

226.1324,
229.9717, 363.9895

■ 2.5791, 2.3264,
10.6503

272.8299,

■ 0.9353, 0.7876,

278.0374, 430.6457

5.7210

325.5507,
332.3731, 504.9800

■ 0.0000, 0.0000,
2.6102

■ 0.0000, 0.0000,
0.8977

■ 51.9735, 51.7222,
101.8518

■ 51.9735, 51.7222,
101.8518

■ 43.3426, 41.6239,
100.3575

■ 62.1976, 63.4314,
103.5731

■ 36.2169, 33.0575,
99.0796

■ 74.0873, 76.8140,
105.5295

■ 30.5068, 25.9457,
98.0079

■ 87.7159, 91.9360,
107.7300

■ 26.1104, 20.2017,
97.1309

95.0500, 100.0000,
108.9000

■ 22.9112, 15.7280,
96.4360

■ 20.7692, 12.4118,
95.9088

■ 19.9924, 11.1048,
95.6975

Harmonies

Analogous

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



45.2208, 51.7222, 100.3909



51.9735, 51.7222, 101.8518



58.5320, 51.7222, 89.2083

Triad

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



51.9735, 51.7222, 101.8518



59.5981, 51.7222, 34.6202



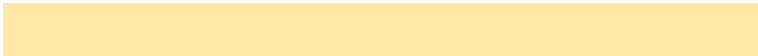
37.6593, 51.7222, 45.4965

Complementary

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



51.9735, 51.7222, 101.8518



76.9801, 81.7269, 47.7959

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.



40.8467, 51.7222, 32.7034



51.9735, 51.7222, 101.8518



53.3224, 51.7222, 27.5024

Square

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



51.9735, 51.7222, 101.8518



63.2002, 51.7222, 48.7735



46.4507, 51.7222, 26.8937



37.3710, 51.7222, 64.6001

Rectangle

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



51.9735, 51.7222, 101.8518



61.7466, 51.7222, 75.8829



46.4507, 51.7222, 26.8937



38.4125, 51.7222, 40.4410

Sweetspot

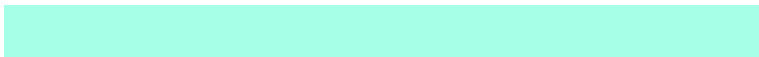
The Sweet Spot groups the original color and five complimentary colors.



51.9751, 51.7241, 101.8521



80.5443, 84.0031, 106.5768



65.9484, 85.4121, 88.8101



16.8342, 17.5296, 22.7462



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.



51.9751, 51.7241, 101.8521



45.6874, 44.3921, 100.7683



52.1242, 45.0297, 100.5521



17.3846, 18.1408, 22.8352



10.5477, 6.0050, 50.0377



1.1107, 0.7521, 4.8999

Inverse Universe

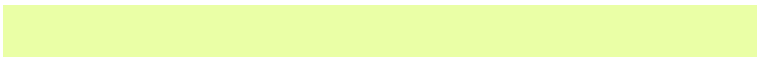
The Inverse Universe completely reimagines the original color for something new.



64.0626, 52.2082, 54.8468



59.6090, 45.5264, 46.5015



76.6520, 91.8054, 49.7586



18.2020, 18.0641, 19.6809



22.1122, 11.3342, 3.9753



2.1952, 1.1205, 0.6096

Previews

White Background



This preview shows how the XYZ color 51.9735, 51.7222, 101.8518 looks on a white background.

Color Contrast Check

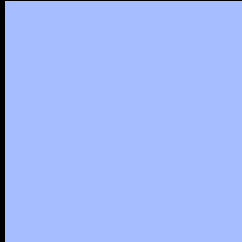
Large Text (above 18pt) WCAG AA × Fail

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 51.9735, 51.7222, 101.8518 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 51.9735, 51.7222, 101.8518

Background



This preview shows how black text looks on a background with the XYZ color 51.9735, 51.7222, 101.8518.



This preview shows how white text looks on a background with the XYZ color 51.9735, 51.7222,

101.8518.

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

51.9735, 51.7222, 101.8518

Protanopia

52.6672, 51.7801, 100.9846

Deuteranopia

52.8336, 51.5313, 101.7696



Tritanopia

45.6868, 51.8045, 70.5421

Trichromacy



Original Color

51.9735, 51.7222, 101.8518

Protanomaly

52.2348, 51.5572, 100.9644

Deuteranomaly

52.6108, 51.7325, 101.8202

Tritanomaly

47.7926, 51.6586, 80.8510

Monochromacy



Original Color

51.9735, 51.7222, 101.8518

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.6071, 51.5057, 70.9453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9735, 51.7222, 101.8518 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(166, 189, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 189, 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(166, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 189, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.9735, 51.7222, 101.8518 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(166, 189, 255) }
```


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

```
.border{ border-color:rgb(166, 189, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 189, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 189, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 189, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 189,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9735, 51.7222, 101.8518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 189, 255) }
```

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

```
.background{ background-color: rgb(166,  
189, 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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