

Converting Colors

XYZ(42.7802, 44.3074, 95.9199)

Have a look what the booklet for
XYZ(42.7802, 44.3074, 95.9199)
contains.

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Color

**XYZ(42.7802, 44.3074,
95.9199)**

Conversions

Conversions Part 1

Format	Color
Hex	83B4F9
RGB	131, 180, 249
RGB Percent	51%, 71%, 98%
CMY	0.4863, 0.2941, 0.0235
CMYK	0.47, 0.28, 0.00, 0.02
HSL	215°, 91%, 75%
HSV	215°, 47%, 98%
XYZ	42.7802, 44.3074, 95.9199
YIQ	173.2150, -51.3530, 11.0710

Conversions

Conversions Part 2

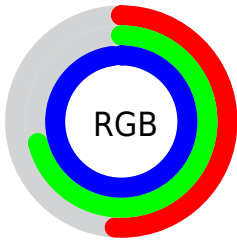
Format	Color
RYB	131, 166, 249
Decimal	8631545
CIELab	72.43, 2.00, -39.25
CIElCh	72, 39.305, 272.921
Yxy	44.3074, 0.2338, 0.2421
Android (android.graphics.Color)	4286821625 (0xFF83B4F9)
YUV	173.2150, 37.3620, -37.0226
Hunter-Lab	66.5638, -1.7657, -38.8435

Details

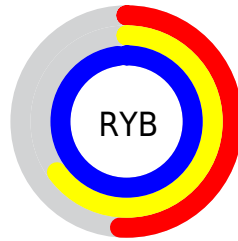
The XYZ color **42.7802, 44.3074, 95.9199** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.8194, 63.0888, 30.2883**, and the grayscale version is **39.6657, 41.7314, 45.4454**.

A 20% lighter version of the original color is **69.0317, 78.0297, 106.0306**, and **19.9813, 20.6606, 52.8039** is the 20% darker color. If you saturate the color by 10%, you get **36.5905, 36.9804, 94.8327**, and if you desaturate by 10%, it is **50.2084, 52.7329, 97.1555**.

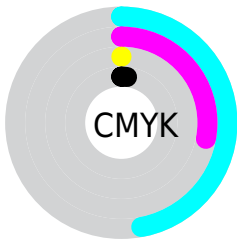
Distribution



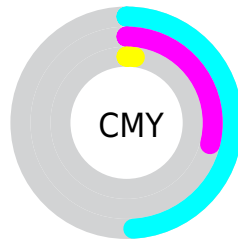
- Red (51%)
- Green (71%)
- Blue (98%)



- Red (51%)
- Yellow (65%)
- Blue (98%)



- Cyan (47%)
- Magenta (28%)
- Yellow (0%)
- Black (2%)



- Cyan (49%)
- Magenta (29%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7802, 44.3074, 95.9199 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 42.7802, 44.3074, 95.9199 by changing the saturation by 10% instead.

■ 42.7802, 44.3074,
95.9199

■ 42.7802, 44.3074,
95.9199

348.6439,
363.9612, 568.1652

■ 29.9065, 30.9122,
72.2997

■ 78.6369, 81.6801,
157.5414

■ 19.9153, 20.5320,
52.9152

■ 102.3505,
106.4264, 196.3797

■ 12.4414, 12.7824,
37.3478

■ 130.4081,
135.7253, 241.1279

■ 7.1194, 7.2789,
25.1790

163.1751,
169.9611, 292.2045

■ 3.5839, 3.6371,
15.9903

201.0169,
209.5182, 350.0280

■ 1.4695, 1.4727,
9.3630

244.2987,

■ 0.3050, 0.2694,

254.7810, 415.0169

4.8787

293.3859,
306.1338, 487.5898

■ 0.0000, 0.0000,
2.1187

■ 0.0000, 0.0000,
0.6269

■ 42.7802, 44.3074,
95.9199

■ 42.7802, 44.3074,
95.9199

■ 36.5905, 36.9804,
94.8327

■ 50.2084, 52.7329,
97.1555

■ 31.5576, 30.6934,
93.8845

■ 58.9403, 62.3015,
98.5422

■ 27.5966, 25.3883,
93.0693

■ 69.0417, 73.0609,
100.0866

■ 24.6067, 20.9978,
92.3794

■ 80.5725, 85.0544,
101.7938

■ 22.4592, 17.4390,
91.8057

■ 93.4026, 98.2268,
103.6601

■ 21.9889, 16.6194,
91.6722

■ 94.0990, 99.6196,
103.8923

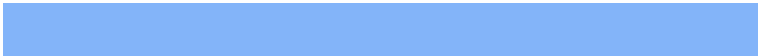
Harmonies

Analogous

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



36.4566, 44.3074, 89.6706



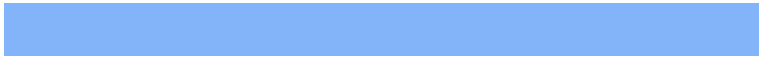
42.7802, 44.3074, 95.9199



49.5971, 44.3074, 86.8271

Triad

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



42.7802, 44.3074, 95.9199



54.0221, 44.3074, 30.6745



31.5460, 44.3074, 33.1745

Complementary

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



42.7802, 44.3074, 95.9199



63.8194, 63.0888, 30.2883

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.



35.4221, 44.3074, 23.2132



42.7802, 44.3074, 95.9199



48.3258, 44.3074, 22.0653

Square

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



42.7802, 44.3074, 95.9199



56.5090, 44.3074, 46.3669



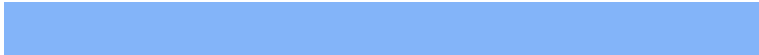
41.4525, 44.3074, 19.7521



30.3963, 44.3074, 50.1695

Rectangle

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



42.7802, 44.3074, 95.9199



53.3845, 44.3074, 74.4148



41.4525, 44.3074, 19.7521



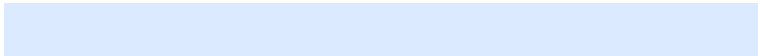
32.5512, 44.3074, 29.0639

Sweetspot

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



42.7818, 44.3090, 95.9210



76.8120, 81.2432, 106.2408



53.6430, 76.7401, 66.5282



15.8974, 16.8206, 22.6588



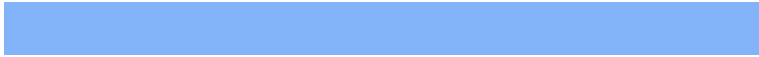
0.0000, 0.0000, 0.0000



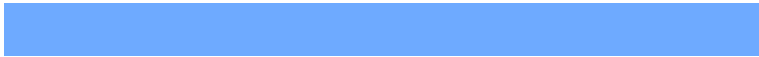
20.3446, 21.4041, 23.3091

Same Dimension

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



42.7818, 44.3090, 95.9210



38.8129, 39.2645, 100.1409



36.1730, 28.7221, 93.2607



16.8751, 17.8271, 21.9369



11.9026, 9.1609, 49.1144



1.2042, 1.0521, 4.5828

Inverse Universe

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



55.4228, 39.6693, 47.9174



54.0346, 35.2390, 41.9874



73.6264, 87.7708, 34.5355



17.5435, 17.3448, 19.4519



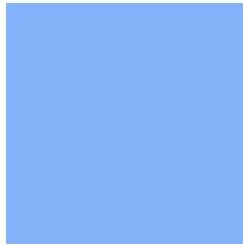
22.2999, 11.3357, 8.2878



2.1168, 1.0704, 1.0383

Previews

White Background



This preview shows how the XYZ color 42.7802, 44.3074, 95.9199 looks on a white background.

Color Contrast Check

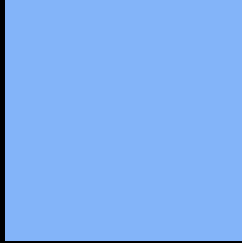
Large Text (above 18pt) WCAG AA × Fail

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 42.7802, 44.3074, 95.9199 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

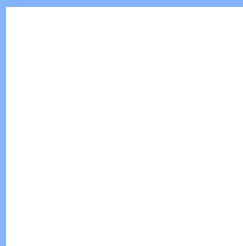
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.7802, 44.3074, 95.9199

Background



This preview shows how black text looks on a background with the XYZ color 42.7802, 44.3074, 95.9199.



This preview shows how white text looks on a background with the XYZ color 42.7802, 44.3074,

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

42.7802, 44.3074, 95.9199

Protanopia

45.5217, 44.3204, 92.5416

Deuteranopia

45.3478, 44.1414, 96.5725



Tritanopia

36.4328, 44.5367, 63.8030

Trichromacy



Original Color

42.7802, 44.3074, 95.9199

Protanomaly

44.3893, 44.3011, 93.4002

Deuteranomaly

44.4791, 44.2757, 96.6442

Tritanomaly

38.5032, 44.4227, 74.2552

Monochromacy



Original Color

42.7802, 44.3074, 95.9199

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

40.1685, 42.5368, 61.3517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7802, 44.3074, 95.9199 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(131, 180, 249)` looks like.

```
.text, #text, p{  
    color:rgb(131, 180, 249)  
}
```

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(131, 180, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 180, 249) }
```

Border

The CSS property to change the border of an element to XYZ 42.7802, 44.3074, 95.9199 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(131, 180, 249) }
```


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

```
.border{ border-color:rgb(131, 180, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 180, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 180, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 180, 249);  
box-shadow:4px 4px 4px 4px rgb(131, 180,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7802, 44.3074, 95.9199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 180, 249) }
```

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

```
.background{ background-color: rgb(131,  
180, 249) }
```

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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