

Converting Colors

XYZ(42.2369, 44.8202,
101.0328)

Have a look what the booklet for
XYZ(42.2369, 44.8202, 101.0328)
contains.

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Color

**XYZ(42.1859, 44.8000,
101.0316)**

Conversions

Conversions Part 1

Format	Color
Hex	74B7FF
RGB	116, 183, 255
RGB Percent	45%, 72%, 100%
CMY	0.5451, 0.2823, 0.0000
CMYK	0.55, 0.28, 0.00, 0.00
HSL	211°, 100%, 73%
HSV	211°, 55%, 100%
XYZ	42.1859, 44.8000, 101.0316
YIQ	171.1750, -63.0440, 8.1880

Conversions

Conversions Part 2

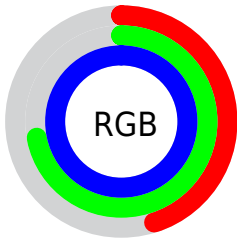
Format	Color
R _Y B	116, 161, 255
Decimal	7649279
CIE Lab	72.76, -1.19, -42.04
CIE LCh	73, 42.055, 268.382
Yxy	44.8000, 0.2244, 0.2383
Android (android.graphics.Color)	4285839359 (0xFF74B7FF)
YUV	171.1750, 41.3257, -48.3885
Hunter-Lab	66.9328, -4.6288, -42.6422

Details

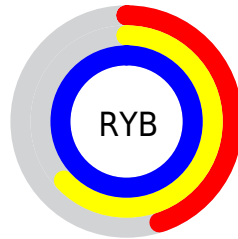
The XYZ color **42.1859, 44.8000, 101.0316** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.3767, 58.4890, 24.5268**, and the grayscale version is **38.6196, 40.6308, 44.2470**.

A 20% lighter version of the original color is **66.8210, 78.1831, 106.1768**, and **19.5409, 20.7463, 56.4006** is the 20% darker color. If you saturate the color by 10%, you get **36.6520, 38.0914, 100.0284**, and if you desaturate by 10%, it is **48.9084, 52.5025, 102.1640**.

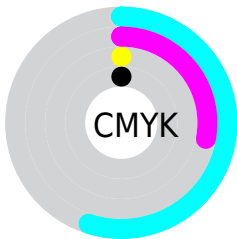
Distribution



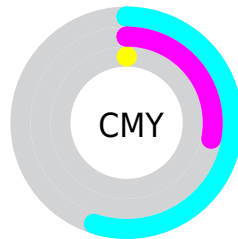
- Red (45%)
- Green (72%)
- Blue (100%)



- Red (45%)
- Yellow (63%)
- Blue (100%)



- Cyan (55%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (55%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1859, 44.8000, 101.0316 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 42.1859, 44.8000, 101.0316 by changing the saturation by 10% instead.

■ 42.1859, 44.8000,
101.0316

■ 42.1859, 44.8000,
101.0316

346.2315,
365.9630, 584.7699

■ 29.4386, 31.2999,
76.5407

■ 77.7443, 82.4202,
164.6383

■ 19.5588, 20.8273,
56.3667

■ 101.2861,
107.3091, 204.5912

■ 12.1812, 12.9979,
40.0910

■ 129.1569,
136.7631, 250.5352

■ 6.9403, 7.4271,
27.2952

161.7219,
171.1666, 302.8888

■ 3.4708, 3.7306,
17.5606

199.3465,
210.9039, 362.0705

■ 1.4073, 1.5240,
10.4688

242.3960,

■ 0.2614, 0.3055,

256.3595, 428.4989

5.6013

291.2359,
307.9177, 502.5925

■ 0.0000, 0.0000,
2.5393

■ 0.0000, 0.0000,
0.8609

■ 42.1859, 44.8000,
101.0316

■ 42.1859, 44.8000,
101.0316

■ 36.6520, 38.0914,
100.0284

■ 48.9084, 52.5025,
102.1640

■ 32.2173, 32.3179,
99.1477

■ 56.8913, 61.2435,
103.4304

■ 28.7851, 27.4195,
98.3831

■ 66.2052, 71.0699,
104.8362

■ 26.2362, 23.3234,
97.7268

■ 76.9140, 82.0238,
106.3861

■ 25.1222, 21.3643,
97.4074

■ 89.0771, 94.1449,
108.0847

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.



35.6357, 44.8000, 91.6640



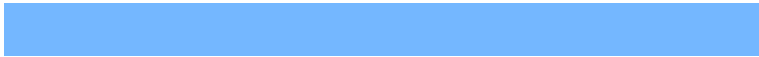
42.1859, 44.8000, 101.0316



49.6107, 44.8000, 93.4036

Triad

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



42.1859, 44.8000, 101.0316



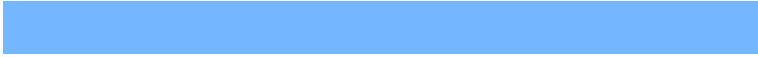
56.1682, 44.8000, 32.0518



31.7079, 44.8000, 30.5886

Complementary

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



42.1859, 44.8000, 101.0316



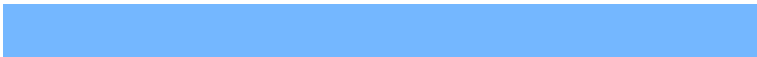
62.3767, 58.4890, 24.5268

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.



36.2489, 44.8000, 21.2637



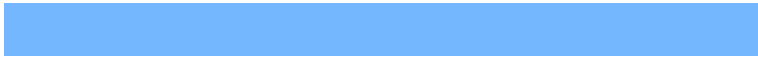
42.1859, 44.8000, 101.0316



50.3748, 44.8000, 21.9230

Square

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



42.1859, 44.8000, 101.0316



58.2160, 44.8000, 49.9236



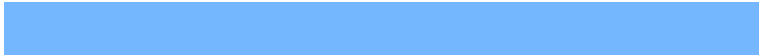
42.9787, 44.8000, 18.6123



30.0307, 44.8000, 47.6532

Rectangle

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



42.1859, 44.8000, 101.0316



53.9649, 44.8000, 80.6596



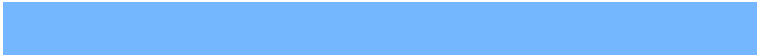
42.9787, 44.8000, 18.6123



32.9225, 44.8000, 26.6490

Sweetspot

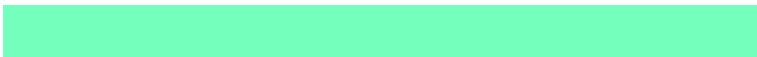
The Sweet Spot groups the original color and five complimentary colors.



42.1873, 44.8015, 101.0318



75.2247, 80.3157, 106.1454



52.0209, 78.8565, 59.9541



15.6138, 16.6957, 22.6496



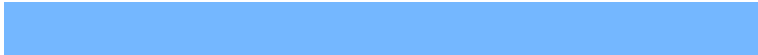
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



42.1873, 44.8015, 101.0318



36.4085, 37.7856, 99.9821



31.8112, 23.5864, 97.4837



17.7255, 18.8227, 22.9489



13.2747, 11.4589, 50.9467



1.4012, 1.3332, 4.9967

Inverse Universe

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



56.0336, 37.1712, 49.0227



52.0081, 31.3164, 40.9103



79.3056, 93.6044, 30.4125



18.3741, 18.1330, 20.5872



23.4886, 11.8847, 11.2236



2.3419, 1.1791, 1.3818

Previews

White Background



This preview shows how the XYZ color 42.1859, 44.8000, 101.0316 looks on a white background.

Color Contrast Check

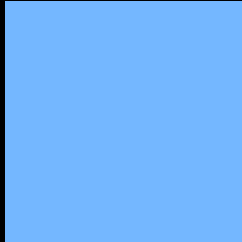
Large Text (above 18pt) WCAG AA × Fail

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 42.1859, 44.8000, 101.0316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

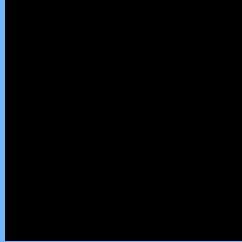
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

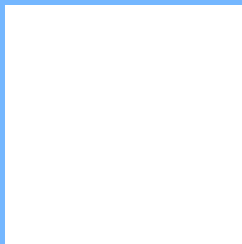
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.1859, 44.8000, 101.0316

Background



This preview shows how black text looks on a background with the XYZ color 42.1859, 44.8000, 101.0316.



This preview shows how white text looks on a background with the XYZ color 42.1859, 44.8000,

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

42.1859, 44.8000, 101.0316

Protanopia

45.9464, 44.4681, 95.7841

Deuteranopia

45.6080, 44.4737, 100.7882



Tritanopia

35.2718, 44.8500, 66.4724

Trichromacy



Original Color

42.1859, 44.8000, 101.0316

Protanomaly

44.3175, 44.4685, 97.5143

Deuteranomaly

44.3234, 44.6944, 100.8985

Tritanomaly

37.6139, 44.8347, 77.9057

Monochromacy



Original Color

42.1859, 44.8000, 101.0316

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.7531, 41.5035, 61.8456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1859, 44.8000, 101.0316 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(116, 183, 255)` looks like.

```
.text, #text, p{  
    color:rgb(116, 183, 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(116, 183, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 183, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.1859, 44.8000, 101.0316 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(116, 183, 255) }
```


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

```
.border{ border-color:rgb(116, 183, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 183, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 183, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 183, 255); box-shadow:4px 4px 4px 4px rgb(116, 183, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1859, 44.8000, 101.0316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 183, 255) }
```

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

```
.background{ background-color: rgb(116,  
183, 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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