

Converting Colors

XYZ(52.9686, 55.0207,
129.2883)

Have a look what the booklet for
XYZ(52.9686, 55.0207, 129.2883)
contains.

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Color

**XYZ(47.8335, 52.8921,
102.2959)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 83C7FF |
| RGB | 131, 199, 255 |
| RGB Percent | 51%, 78%, 100% |
| CMY | 0.4863, 0.2196, 0.0000 |
| CMYK | 0.49, 0.22, 0.00, 0.00 |
| HSL | 207°, 100%, 76% |
| HSV | 207°, 49%, 100% |
| XYZ | 47.8335, 52.8921, 102.2959 |
| YIQ | 185.0520, -58.5040, 3.0000 |

Conversions

Conversions Part 2

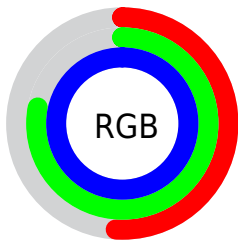
| Format | Color |
|-------------------------------------|---|
| RYB | 131, 175, 255 |
| Decimal | 8636415 |
| CIELab | 77.81, -6.65, -34.14 |
| CIELCh | 78, 34.780, 258.981 |
| Yxy | 52.8921, 0.2356, 0.2605 |
| Android (android.graphics.Color) | 4286826495 (0xFF83C7FF) |
| YUV | 185.0520, 34.4844, -47.4036 |
| Hunter-Lab | 72.7270, -9.8703, -32.4869 |

Details

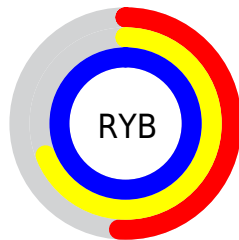
The XYZ color **47.8335, 52.8921, 102.2959** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.1081, 58.4407, 29.4288**, and the grayscale version is **45.9821, 48.3768, 52.6823**.

A 20% lighter version of the original color is **74.7963, 89.5588, 107.9521**, and **22.9170, 25.6676, 57.1726** is the 20% darker color. If you saturate the color by 10%, you get **41.8091, 46.0016, 101.2834**, and if you desaturate by 10%, it is **55.0333, 60.6884, 103.4212**.

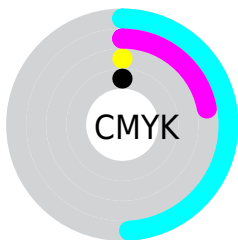
Distribution



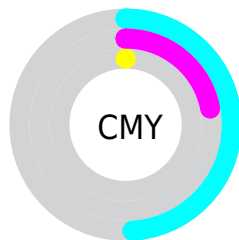
- Red (51%)
- Green (78%)
- Blue (100%)



- Red (51%)
- Yellow (69%)
- Blue (100%)



- Cyan (49%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8335, 52.8921, 102.2959 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 47.8335, 52.8921, 102.2959 by changing the saturation by 10% instead.

■ 47.8335, 52.8921,
102.2959

■ 47.8335, 52.8921,
102.2959

368.7254,
397.8710, 588.8382

■ 33.9058, 37.7166,
77.5918

■ 86.1676, 94.4456,
166.3880

■ 22.9838, 25.7628,
57.2242

■ 111.3048,
121.5924, 206.6131

■ 14.7021, 16.6463,
40.7747

■ 140.9090,
153.4984, 252.8490

■ 8.6956, 9.9826,
27.8247

175.3458,
190.5481, 305.5141

■ 4.5987, 5.3874,
17.9557

214.9805,
233.1258, 365.0270

■ 2.0461, 2.4763,
10.7491

260.1784,

■ 0.6596, 0.8648,

281.6159, 431.8063

5.7863

311.3049,
336.4029, 506.2705

■ 0.0000, 0.0000,
2.6489

■ 0.0000, 0.0000,
0.9175

■ 47.8335, 52.8921,
102.2959

■ 47.8335, 52.8921,
102.2959

■ 41.8091, 46.0016,
101.2834

■ 55.0333, 60.6884,
103.4212

■ 36.8784, 39.9650,
100.3781

■ 63.4734, 69.4270,
104.6631

■ 32.9556, 34.7323,
99.5748

■ 73.2189, 79.1487,
106.0259

■ 29.9381, 30.2437,
98.8675

■ 84.3289, 89.8901,
107.5137

■ 27.6812, 26.4173,
98.2478

95.0500, 100.0000,
108.9000

■ 27.4046, 25.9293,
98.1682

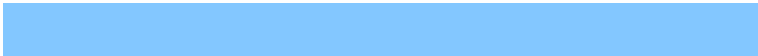
Harmonies

Analogous

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



42.2301, 52.8921, 90.4150



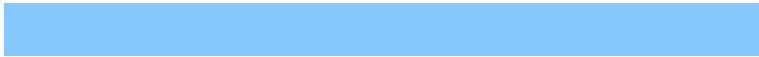
47.8335, 52.8921, 102.2959



54.6109, 52.8921, 100.3500

Triad

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



47.8335, 52.8921, 102.2959



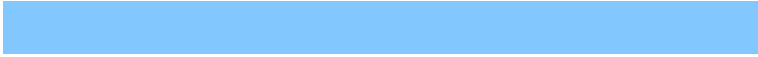
63.5641, 52.8921, 46.3320



41.1062, 52.8921, 36.4869

Complementary

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



47.8335, 52.8921, 102.2959



63.1081, 58.4407, 29.4288

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.



46.1699, 52.8921, 29.1184



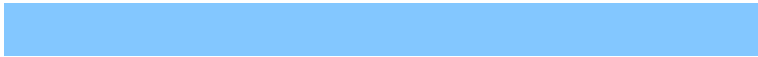
47.8335, 52.8921, 102.2959



59.2758, 52.8921, 33.8615

Square

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



47.8335, 52.8921, 102.2959



64.1108, 52.8921, 64.9871



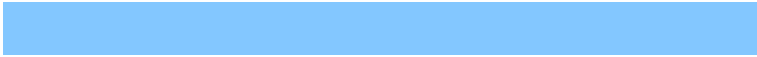
52.7927, 52.8921, 28.2792



38.5840, 52.8921, 50.7776

Rectangle

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



47.8335, 52.8921, 102.2959



58.8823, 52.8921, 91.5669



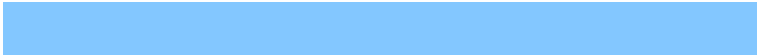
52.7927, 52.8921, 28.2792



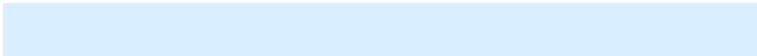
42.5455, 52.8921, 33.2691

Sweetspot

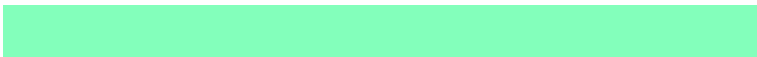
The Sweet Spot groups the original color and five complimentary colors.



47.8351, 52.8940, 102.2961



77.0858, 82.9230, 106.5506



54.0696, 79.9252, 59.4807



16.0135, 17.2756, 22.7405



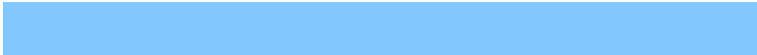
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



47.8351, 52.8940, 102.2961



42.1529, 46.4069, 101.3435



36.3859, 29.9956, 98.4797



17.8287, 19.0291, 22.9833



14.4708, 13.8512, 51.3454



1.5182, 1.5670, 5.0357

Inverse Universe

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



59.6662, 41.6178, 58.9229



55.6076, 35.4360, 51.6030



79.1511, 90.5268, 34.7765



18.4262, 18.1538, 20.8615



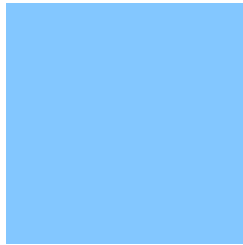
24.0924, 12.1263, 14.4030



2.4009, 1.2027, 1.6926

Previews

White Background



This preview shows how the XYZ color 47.8335, 52.8921, 102.2959 looks on a white background.

Color Contrast Check

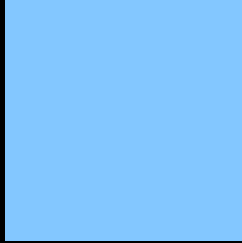
Large Text (above 18pt) WCAG AA × Fail

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 47.8335, 52.8921, 102.2959 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

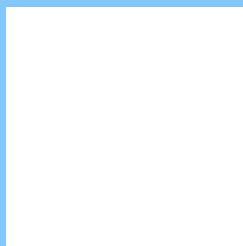
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.8335, 52.8921, 102.2959

Background



This preview shows how black text looks on a background with the XYZ color 47.8335, 52.8921, 102.2959.

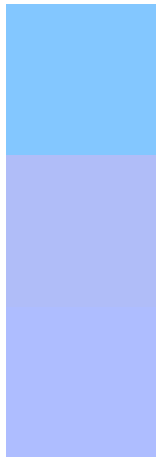


This preview shows how white text looks on a background with the XYZ color 47.8335, 52.8921,

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

47.8335, 52.8921, 102.2959

Protanopia

53.0454, 52.4026, 96.1259

Deuteranopia

53.7032, 52.6139, 101.9328



Tritanopia

42.7619, 52.9296, 77.0699

Trichromacy



Original Color

47.8335, 52.8921, 102.2959

Protanomaly

50.9798, 52.5785, 98.7285

Deuteranomaly

51.2205, 52.6290, 102.0665

Tritanomaly

44.5194, 52.9375, 85.7134

Monochromacy



Original Color

47.8335, 52.8921, 102.2959

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.5634, 49.4794, 68.1218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8335, 52.8921, 102.2959 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, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(131, 199, 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(131, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 199, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.8335, 52.8921, 102.2959 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, 199, 255) }
```


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

```
.border{ border-color:rgb(131, 199, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(131, 199,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8335, 52.8921, 102.2959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 199, 255) }
```

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

```
.background{ background-color: rgb(131,  
199, 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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