

Converting Colors

XYZ(49.2902, 61.8441,
101.9793)

Have a look what the booklet for
XYZ(49.2902, 61.8441, 101.9793)
contains.

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Color

**XYZ(49.2950, 61.7478,
102.2489)**

Conversions

Conversions Part 1

Format	Color
Hex	68DDFD
RGB	104, 221, 253
RGB Percent	41%, 87%, 99%
CMY	0.5921, 0.1333, 0.0078
CMYK	0.59, 0.13, 0.00, 0.01
HSL	193°, 97%, 70%
HSV	193°, 59%, 99%
XYZ	49.2950, 61.7478, 102.2489
YIQ	189.6650, -80.0040, -14.8520

Conversions

Conversions Part 2

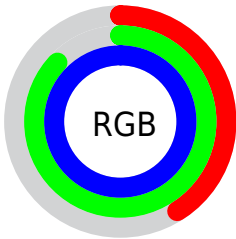
Format	Color
RYB	104, 170, 253
Decimal	6872573
CIELab	82.78, -24.05, -25.54
CIELCh	83, 35.085, 226.724
Yxy	61.7478, 0.2311, 0.2895
Android (android.graphics.Color)	4285062653 (0xFF68DDFD)
YUV	189.6650, 31.2242, -75.1282
Hunter-Lab	78.5798, -25.5372, -22.1430

Details

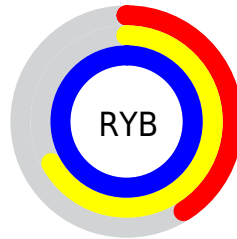
The XYZ color **49.2950, 61.7478, 102.2489** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **51.8126, 39.4925, 17.9908**, and the grayscale version is **48.6122, 51.1438, 55.6956**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **23.9093, 31.4174, 57.0286** is the 20% darker color. If you saturate the color by 10%, you get **45.3758, 57.6333, 101.6624**, and if you desaturate by 10%, it is **54.1452, 66.4138, 102.8950**.

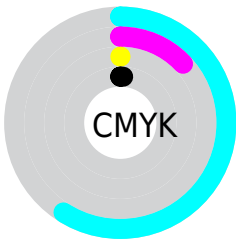
Distribution



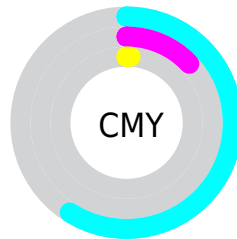
- Red (41%)
- Green (87%)
- Blue (99%)



- Red (41%)
- Yellow (67%)
- Blue (99%)



- Cyan (59%)
- Magenta (13%)
- Yellow (0%)
- Black (1%)



- Cyan (59%)
- Magenta (13%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2950, 61.7478, 102.2489 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 49.2950, 61.7478, 102.2489 by changing the saturation by 10% instead.

49.2950, 61.7478,
102.2489

49.2950, 61.7478,
102.2489

374.4002,
431.0106, 588.6872

35.0690, 44.8289,
77.5527

88.3275, 107.3609,
166.3230

23.8828, 31.3227,
57.1923

113.8648,
136.8240, 206.5380

15.3710, 20.8447,
40.7493

143.9033,
171.2373, 252.7630

9.1682, 13.0105,
27.8050

178.8082,
210.9852, 305.4166

4.9090, 7.4358,
17.9410

218.9450,
256.4521, 364.9173

2.2282, 3.7361,
10.7386

264.6791,

0.7575, 1.5271,

308.0223, 431.6835

5.7794

316.3757,
366.0803, 506.1340

■ 0.0000, 0.3077,
2.6448

■ 0.0000, 0.0000,
0.9154

■ 49.2950, 61.7478,
102.2489

■ 49.2950, 61.7478,
102.2489

■ 45.3758, 57.6333,
101.6624

■ 54.1452, 66.4138,
102.8950

■ 42.2998, 54.0204,
101.1272

■ 59.9924, 71.6620,
103.5999

■ 39.9720, 50.8609,
100.6400

■ 66.9031, 77.5286,
104.3680

■ 38.2504, 48.0809,
100.1942

■ 74.9362, 84.0448,
105.2024

■ 38.0766, 47.7854,
100.1463

■ 84.1463, 91.2390,
106.1056

■ 94.2862, 98.9846,
107.0662

■ 94.7298, 99.8719,
107.2141

Harmonies

Analogous

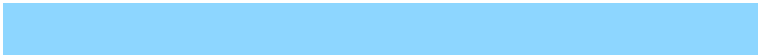
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.8624, 61.7478, 79.9128



49.2950, 61.7478, 102.2489



55.4204, 61.7478, 116.3238

Triad

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



49.2950, 61.7478, 102.2489



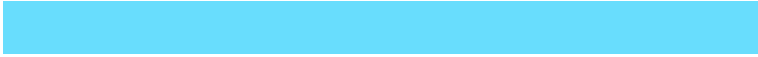
73.9729, 61.7478, 77.2330



54.6126, 61.7478, 34.7740

Complementary

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



49.2950, 61.7478, 102.2489



51.8126, 39.4925, 17.9908

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.



62.0845, 61.7478, 34.3586



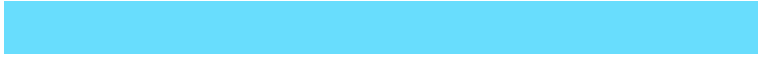
49.2950, 61.7478, 102.2489



73.7095, 61.7478, 55.9706

Square

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



49.2950, 61.7478, 102.2489



69.8989, 61.7478, 99.9282



69.2075, 61.7478, 41.2915



48.7474, 61.7478, 42.5823

Rectangle

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



49.2950, 61.7478, 102.2489



60.4047, 61.7478, 117.5162



69.2075, 61.7478, 41.2915



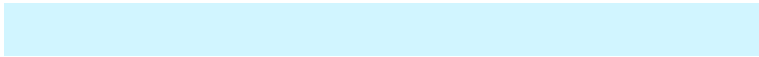
57.0069, 61.7478, 33.8343

Sweetspot

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



49.2970, 61.7501, 102.2504



77.0683, 86.1809, 107.1804



45.1251, 74.9108, 34.5645



15.9537, 18.0142, 22.8862



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.



49.2970, 61.7501, 102.2504



45.4561, 57.8458, 103.3773



34.1406, 31.4374, 97.1983



18.2043, 19.7803, 23.1085



20.3661, 25.6418, 53.3105



2.0614, 2.6536, 5.2168

Inverse Universe

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



58.5112, 36.0057, 72.2748



56.0953, 31.1148, 68.0946



65.6375, 67.1423, 22.5991



18.6158, 18.2296, 21.8599



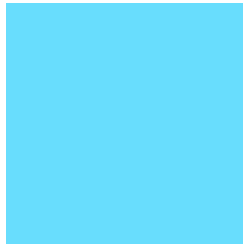
27.0681, 13.3165, 30.0726



2.6751, 1.3124, 3.1366

Previews

White Background



This preview shows how the XYZ color 49.2950, 61.7478, 102.2489 looks on a white background.

Color Contrast Check

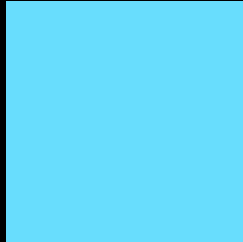
Large Text (above 18pt) WCAG AA × Fail

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 49.2950, 61.7478, 102.2489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

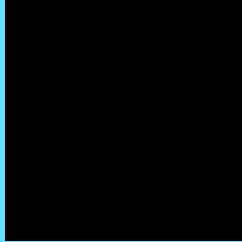
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.2950, 61.7478, 102.2489

Background



This preview shows how black text looks on a background with the XYZ color 49.2950, 61.7478, 102.2489.

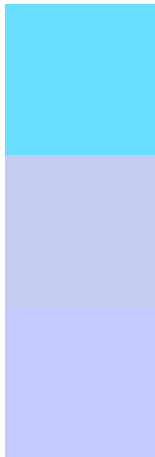


This preview shows how white text looks on a background with the XYZ color 49.2950, 61.7478,

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

49.2950, 61.7478, 102.2489

Protanopia

60.2591, 60.9331, 91.8044

Deuteranopia

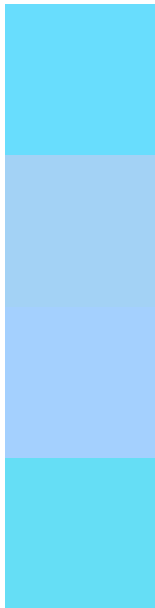
62.2253, 60.9991, 103.1021



Tritanopia

47.4105, 61.7789, 92.6448

Trichromacy



Original Color

49.2950, 61.7478, 102.2489

Protanomaly

54.6323, 60.4723, 95.1791

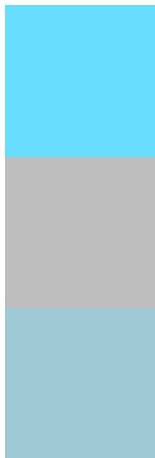
Deuteranomaly

55.7551, 60.1600, 102.4394

Tritanomaly

47.9695, 61.6018, 95.7483

Monochromacy



Original Color

49.2950, 61.7478, 102.2489

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

47.1950, 53.9483, 70.8764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2950, 61.7478, 102.2489 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(104, 221, 253)` looks like.

```
.text, #text, p{  
    color:rgb(104, 221, 253)  
}
```

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(104, 221, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 221, 253) }
```

Border

The CSS property to change the border of an element to XYZ 49.2950, 61.7478, 102.2489 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(104, 221, 253) }
```


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

```
.border{ border-color:rgb(104, 221, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 221, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 221, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 221, 253);  
box-shadow:4px 4px 4px 4px rgb(104, 221,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2950, 61.7478, 102.2489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 221, 253) }
```

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

```
.background{ background-color: rgb(104,  
221, 253) }
```

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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