

Converting Colors

XYZ(49.8536, 57.3888,
103.0573)

Have a look what the booklet for
XYZ(49.8536, 57.3888, 103.0573)
contains.

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Color

**XYZ(49.9037, 57.4881,
103.0738)**

Conversions

Conversions Part 1

Format	Color
Hex	81D1FF
RGB	129, 209, 255
RGB Percent	51%, 82%, 100%
CMY	0.4941, 0.1804, 0.0000
CMYK	0.49, 0.18, 0.00, 0.00
HSL	202°, 100%, 75%
HSV	202°, 49%, 100%
XYZ	49.9037, 57.4881, 103.0738
YIQ	190.3240, -62.4460, -2.6540

Conversions

Conversions Part 2

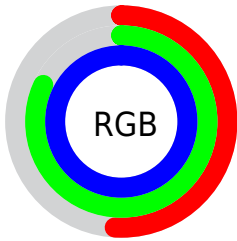
Format	Color
RYB	129, 178, 255
Decimal	8507903
CIELab	80.45, -12.38, -30.08
CIElCh	80, 32.527, 247.630
Yxy	57.4881, 0.2371, 0.2731
Android (android.graphics.Color)	4286697983 (0xFF81D1FF)
YUV	190.3240, 31.8853, -53.7811
Hunter-Lab	75.8209, -15.2017, -27.5264

Details

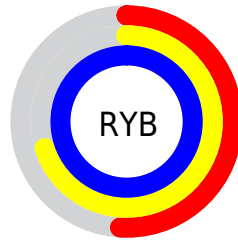
The XYZ color **49.9037, 57.4881, 103.0738** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **60.5332, 53.5059, 27.9080**, and the grayscale version is **48.9796, 51.5303, 56.1165**.

A 20% lighter version of the original color is **74.5490, 89.4314, 107.9406**, and **24.2983, 28.7489, 57.6945** is the 20% darker color. If you saturate the color by 10%, you get **44.2852, 51.3006, 102.1757**, and if you desaturate by 10%, it is **56.6254, 64.4449, 104.0624**.

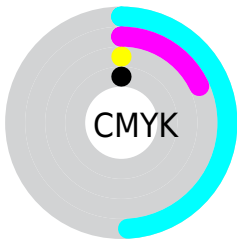
Distribution



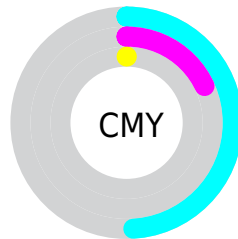
- Red (51%)
- Green (82%)
- Blue (100%)



- Red (51%)
- Yellow (70%)
- Blue (100%)



- Cyan (49%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9037, 57.4881, 103.0738 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 49.9037, 57.4881, 103.0738 by changing the saturation by 10% instead.

■ 49.9037, 57.4881,
103.0738

■ 49.9037, 57.4881,
103.0738

376.7474,
415.2758, 591.3339

■ 35.5544, 41.3972,
78.2389

■ 89.2249, 101.1770,
167.4635

■ 24.2587, 28.6296,
57.7527

■ 114.9274,
129.5439, 207.8554

■ 15.6514, 18.8008,
41.1964

■ 145.1450,
162.7716, 254.2701

■ 9.3671, 11.5264,
28.1518

180.2432,
201.2445, 307.1261

■ 5.0404, 6.4221,
18.2001

220.5871,
245.3469, 366.8419

■ 2.3060, 3.1034,
10.9228

266.5422,

■ 0.7977, 1.1860,

295.4634, 433.8361

5.9014

318.4739,
351.9782, 508.5273

■ 0.0000, 0.0502,
2.7174

■ 0.0000, 0.0000,
0.9522

■ 49.9037, 57.4881,
103.0738

■ 49.9037, 57.4881,
103.0738

■ 44.2852, 51.3006,
102.1757

■ 56.6254, 64.4449,
104.0624

■ 39.6893, 45.8338,
101.3627

■ 64.5132, 72.2029,
105.1441

■ 36.0316, 41.0421,
100.6306

■ 73.6308, 80.7996,
106.3229

■ 33.2103, 36.8693,
99.9739

■ 84.0357, 90.2677,
107.6020

■ 31.0699, 33.2318,
99.3846

95.0500, 100.0000,
108.9000

■ 30.9541, 33.0282,
99.3514

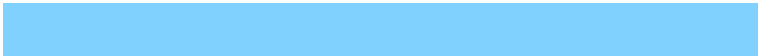
Harmonies

Analogous

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



45.1002, 57.4881, 87.8049



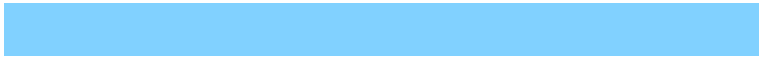
49.9037, 57.4881, 103.0738



56.3613, 57.4881, 106.5121

Triad

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



49.9037, 57.4881, 103.0738



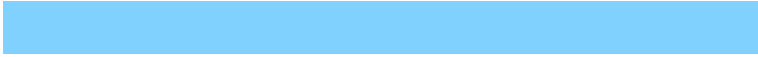
68.3631, 57.4881, 57.8435



47.1785, 57.4881, 37.7796

Complementary

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



49.9037, 57.4881, 103.0738



60.5332, 53.5059, 27.9080

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.



52.9555, 57.4881, 32.7920



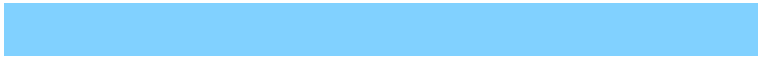
49.9037, 57.4881, 103.0738



65.4399, 57.4881, 42.7408

Square

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



49.9037, 57.4881, 103.0738



67.3791, 57.4881, 77.6397



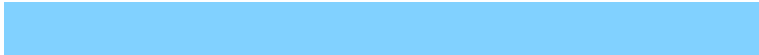
59.6684, 57.4881, 34.4026



43.6184, 57.4881, 49.6310

Rectangle

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



49.9037, 57.4881, 103.0738



60.8068, 57.4881, 101.1000



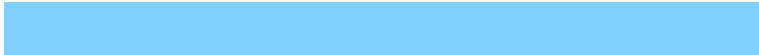
59.6684, 57.4881, 34.4026



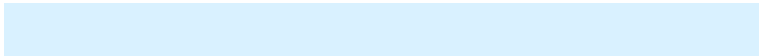
48.9063, 57.4881, 35.3673

Sweetspot

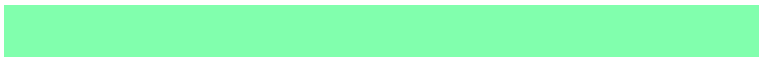
The Sweet Spot groups the original color and five complimentary colors.



49.9054, 57.4902, 103.0742



78.0570, 84.8654, 106.8744



52.3669, 79.2087, 52.1165



16.2477, 17.7441, 22.8186



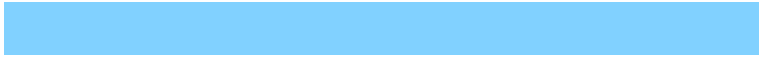
0.0000, 0.0000, 0.0000



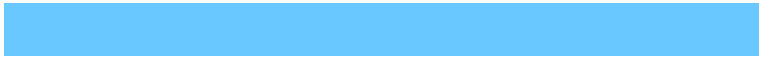
20.3446, 21.4041, 23.3091

Same Dimension

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



49.9054, 57.4902, 103.0742



44.4948, 51.5396, 102.2108



37.6790, 33.0375, 98.9987



17.9646, 19.3009, 23.0286



16.3214, 17.5523, 51.9623



1.6933, 1.9173, 5.0941

Inverse Universe

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



60.6000, 41.5656, 65.1528



56.6800, 35.4454, 58.5442



75.2273, 82.8941, 32.8060



18.4948, 18.1812, 21.2227



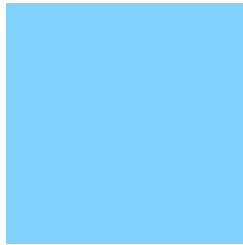
25.0265, 12.4999, 19.3216



2.4893, 1.2381, 2.1581

Previews

White Background



This preview shows how the XYZ color 49.9037, 57.4881, 103.0738 looks on a white background.

Color Contrast Check

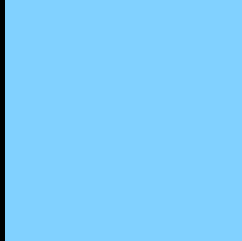
Large Text (above 18pt) WCAG AA × Fail

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 49.9037, 57.4881, 103.0738 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

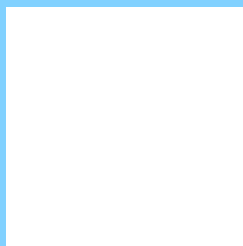
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.9037, 57.4881, 103.0738

Background



This preview shows how black text looks on a background with the XYZ color 49.9037, 57.4881, 103.0738.

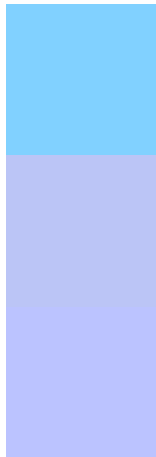


This preview shows how white text looks on a background with the XYZ color 49.9037, 57.4881,

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

49.9037, 57.4881, 103.0738

Protanopia

57.0943, 57.1511, 95.2109

Deuteranopia

58.0586, 56.8150, 102.5141



Tritanopia

45.9623, 57.3666, 83.5133

Trichromacy



Original Color

49.9037, 57.4881, 103.0738

Protanomaly

53.7114, 56.7198, 97.7397

Deuteranomaly

54.4302, 56.6355, 102.6707

Tritanomaly

47.4357, 57.6040, 90.2799

Monochromacy



Original Color

49.9037, 57.4881, 103.0738

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.2523, 53.1124, 71.3269

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9037, 57.4881, 103.0738 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(129, 209, 255)` looks like.

```
.text, #text, p{  
    color:rgb(129, 209, 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(129, 209, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 209, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.9037, 57.4881, 103.0738 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(129, 209, 255) }
```


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

```
.border{ border-color:rgb(129, 209, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 209, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 209, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 209, 255);  
box-shadow:4px 4px 4px 4px rgb(129, 209,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9037, 57.4881, 103.0738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 209, 255) }
```

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

```
.background{ background-color: rgb(129,  
209, 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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