

Converting Colors

XYZ(59.0837, 53.6835,
160.5627)

Have a look what the booklet for
XYZ(59.0837, 53.6835, 160.5627)
contains.

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Color

**XYZ(47.8873, 49.2974,
101.5992)**

Conversions

Conversions Part 1

Format	Color
Hex	92BCFF
RGB	146, 188, 255
RGB Percent	57%, 74%, 100%
CMY	0.4274, 0.2627, 0.0000
CMYK	0.43, 0.26, 0.00, 0.00
HSL	217°, 100%, 79%
HSV	217°, 43%, 100%
XYZ	47.8873, 49.2974, 101.5992
YIQ	183.0800, -46.5390, 11.9330

Conversions

Conversions Part 2

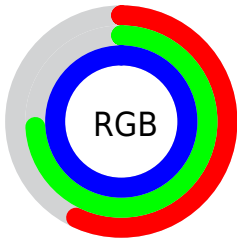
Format	Color
R _Y B	146, 176, 255
Decimal	9616639
CIE Lab	75.64, 2.88, -37.44
CIE LCh	76, 37.554, 274.395
Yxy	49.2974, 0.2409, 0.2480
Android (android.graphics.Color)	4287806719 (0xFF92BCFF)
YUV	183.0800, 35.4566, -32.5192
Hunter-Lab	70.2121, -1.1275, -36.6461

Details

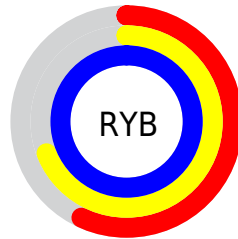
The XYZ color **47.8873, 49.2974, 101.5992** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.2235, 70.9250, 37.1849**, and the grayscale version is **44.8850, 47.2225, 51.4253**.

A 20% lighter version of the original color is **75.0293, 84.6179, 106.9862**, and **22.9768, 23.5290, 56.7566** is the 20% darker color. If you saturate the color by 10%, you get **40.6811, 40.8796, 100.3542**, and if you desaturate by 10%, it is **56.4711, 58.9672, 103.0132**.

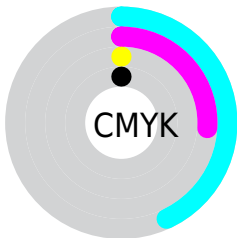
Distribution



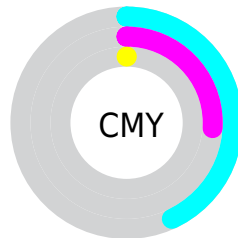
- Red (57%)
- Green (74%)
- Blue (100%)



- Red (57%)
- Yellow (69%)
- Blue (100%)



- Cyan (43%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (43%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8873, 49.2974, 101.5992 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 47.8873, 49.2974, 101.5992 by changing the saturation by 10% instead.

■ 47.8873, 49.2974,
101.5992

■ 47.8873, 49.2974,
101.5992

368.9353,
383.9119, 586.5982

■ 33.9485, 34.8555,
77.0125

■ 86.2473, 89.1330,
165.4241

■ 23.0168, 23.5516,
56.7515

■ 111.3992,
115.2954, 205.4994

■ 14.7266, 15.0013,
40.3977

141.0196,
146.1335, 251.5746

■ 8.7128, 8.8203,
27.5326

175.4737,
182.0316, 304.0682

■ 4.6100, 4.6242,
17.7377

215.1270,
223.3741, 363.3988

■ 2.0527, 2.0285,
10.5943

260.3448,

■ 0.6633, 0.6239,

270.5454, 429.9850

5.6840

311.4924,
323.9299, 504.2453

■ 0.0000, 0.0000,
2.5883

■ 0.0000, 0.0000,
0.8864

■ 47.8873, 49.2974,
101.5992

■ 47.8873, 49.2974,
101.5992

■ 40.6811, 40.8796,
100.3542

■ 56.4711, 58.9672,
103.0132

■ 34.7684, 33.6503,
99.2704

■ 66.5006, 69.9377,
104.6021

■ 30.0621, 27.5476,
98.3405

■ 78.0449, 82.2610,
106.3723

■ 26.4613, 22.5003,
97.5561

■ 91.1668, 95.9847,
108.3296

■ 23.8452, 18.4260,
96.9075

95.0500, 100.0000,
108.9000

■ 22.4417, 16.0035,
96.5139

Harmonies

Analogous

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



41.3139, 49.2974, 96.1211



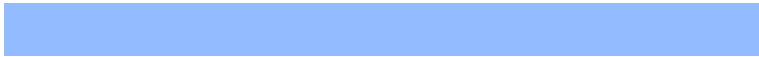
47.8873, 49.2974, 101.5992



54.8182, 49.2974, 91.8605

Triad

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



47.8873, 49.2974, 101.5992



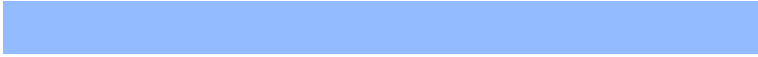
58.7718, 49.2974, 34.8279



35.8072, 49.2974, 38.7758

Complementary

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



47.8873, 49.2974, 101.5992



70.2235, 70.9250, 37.1849

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.



39.7042, 49.2974, 27.8822



47.8873, 49.2974, 101.5992



52.8722, 49.2974, 26.0296

Square

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



47.8873, 49.2974, 101.5992



61.4845, 49.2974, 50.7966



45.8390, 49.2974, 23.8431



34.7534, 49.2974, 56.6632

Rectangle

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



47.8873, 49.2974, 101.5992



58.5836, 49.2974, 79.1868



45.8390, 49.2974, 23.8431



36.8078, 49.2974, 34.3338

Sweetspot

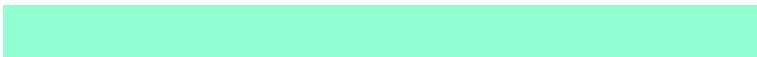
The Sweet Spot groups the original color and five complimentary colors.



47.8888, 49.2992, 101.5994



77.7289, 81.9271, 106.3245



59.4233, 82.3548, 74.6567



16.0651, 16.9298, 22.6710



0.0000, 0.0000, 0.0000



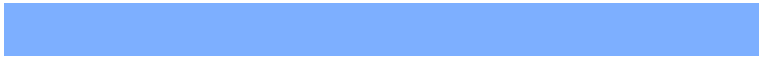
20.3446, 21.4041, 23.3091

Same Dimension

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



47.8888, 49.2992, 101.5994



41.8420, 42.2599, 100.5594



42.2157, 34.9378, 99.1264



17.5768, 18.5253, 22.8993



11.8598, 8.6292, 50.4751



1.2567, 1.0441, 4.9486

Inverse Universe

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



60.5971, 45.4503, 53.1576



56.3111, 39.0121, 45.1510



78.2918, 92.8466, 40.9909



18.2991, 18.1029, 20.1920



22.7745, 11.5991, 7.4629



2.2689, 1.1499, 0.9976

Previews

White Background



This preview shows how the XYZ color 47.8873, 49.2974, 101.5992 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 47.8873, 49.2974, 101.5992 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

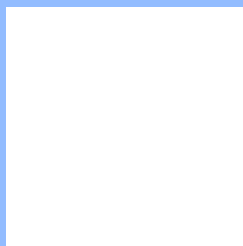
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.8873, 49.2974, 101.5992

Background



This preview shows how black text looks on a background with the XYZ color 47.8873, 49.2974, 101.5992.



This preview shows how white text looks on a background with the XYZ color 47.8873, 49.2974,

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

47.8873, 49.2974, 101.5992

Protanopia

50.0720, 48.9390, 98.0739

Deuteranopia

50.5003, 49.3935, 101.4800



Tritanopia

41.4551, 49.3017, 69.6186

Trichromacy



Original Color

47.8873, 49.2974, 101.5992

Protanomaly

49.2177, 49.0971, 98.9781

Deuteranomaly

49.3036, 49.0860, 101.4837

Tritanomaly

43.5548, 49.1446, 80.5891

Monochromacy



Original Color

47.8873, 49.2974, 101.5992

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.4351, 47.8474, 67.1624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8873, 49.2974, 101.5992 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(146, 188, 255)` looks like.

```
.text, #text, p{  
    color:rgb(146, 188, 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(146, 188, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 188, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.8873, 49.2974, 101.5992 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(146, 188, 255) }
```


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

```
.border{ border-color:rgb(146, 188, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 188, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 188, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 188, 255);  
box-shadow:4px 4px 4px 4px rgb(146, 188,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8873, 49.2974, 101.5992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 188, 255) }
```

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

```
.background{ background-color: rgb(146,  
188, 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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