

Converting Colors

XYZ(47.4775, 49.8180,
101.7212)

Have a look what the booklet for
XYZ(47.4775, 49.8180, 101.7212)
contains.

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Color

**XYZ(47.4480, 49.7096,
101.7019)**

Conversions

Conversions Part 1

Format	Color
Hex	8DBEFF
RGB	141, 190, 255
RGB Percent	55%, 75%, 100%
CMY	0.4470, 0.2549, 0.0000
CMYK	0.45, 0.25, 0.00, 0.00
HSL	214°, 100%, 78%
HSV	214°, 45%, 100%
XYZ	47.4480, 49.7096, 101.7019
YIQ	182.7590, -50.0690, 9.8270

Conversions

Conversions Part 2

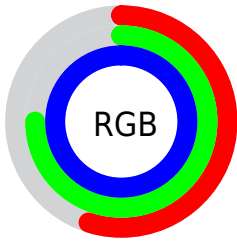
Format	Color
RYB	141, 175, 255
Decimal	9289471
CIELab	75.89, 0.56, -37.07
CIELCh	76, 37.075, 270.865
Yxy	49.7096, 0.2386, 0.2500
Android (android.graphics.Color)	4287479551 (0xFF8DBEFF)
YUV	182.7590, 35.6148, -36.6226
Hunter-Lab	70.5050, -3.2581, -36.1709

Details

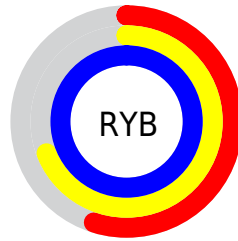
The XYZ color **47.4480, 49.7096, 101.7019** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **68.1201, 67.3271, 34.6066**, and the grayscale version is **44.7100, 47.0385, 51.2249**.

A 20% lighter version of the original color is **74.5590, 85.2736, 107.1375**, and **22.7949, 23.8534, 56.8288** is the 20% darker color. If you saturate the color by 10%, you get **40.6072, 41.7398, 100.5241**, and if you desaturate by 10%, it is **55.6041, 58.8258, 103.0316**.

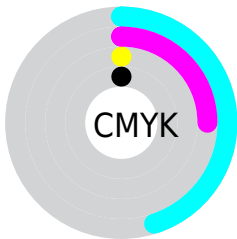
Distribution



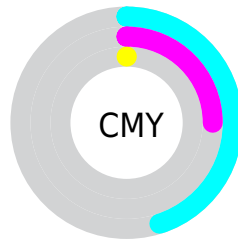
- Red (55%)
- Green (75%)
- Blue (100%)



- Red (55%)
- Yellow (69%)
- Blue (100%)



- Cyan (45%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (45%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4480, 49.7096, 101.7019 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 47.4480, 49.7096, 101.7019 by changing the saturation by 10% instead.

■ 47.4480, 49.7096,
101.7019

■ 47.4480, 49.7096,
101.7019

367.2191,
385.5292, 586.9287

■ 33.5994, 35.1827,
77.0978

■ 85.5966, 89.7445,
165.5663

■ 22.7474, 23.8037,
56.8211

■ 110.6274,
116.0212, 205.6636

■ 14.5268, 15.1880,
40.4533

140.1162,
146.9834, 251.7625

■ 8.5721, 8.9515,
27.5756

174.4285,
183.0154, 304.2815

■ 4.5180, 4.7095,
17.7698

213.9295,
224.5015, 363.6390

■ 1.9992, 2.0779,
10.6171

258.9847,

■ 0.6335, 0.6521,

271.8263, 430.2537

5.6991

309.9595,
325.3741, 504.5441

■ 0.0000, 0.0000,
2.5972

■ 0.0000, 0.0000,
0.8910

■ 47.4480, 49.7096,
101.7019

■ 47.4480, 49.7096,
101.7019

■ 40.6072, 41.7398,
100.5241

■ 55.6041, 58.8258,
103.0316

■ 34.9986, 34.8571,
99.4912

■ 65.1425, 69.1330,
104.5184

■ 30.5356, 29.0035,
98.5966

■ 76.1309, 80.6796,
106.1679

■ 27.1171, 24.1119,
97.8326

■ 88.6310, 93.5095,
107.9855

■ 24.6204, 20.1033,
97.1904

95.0500, 100.0000,
108.9000

■ 23.5834, 18.2868,
96.8945

Harmonies

Analogous

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



41.0777, 49.7096, 94.5616



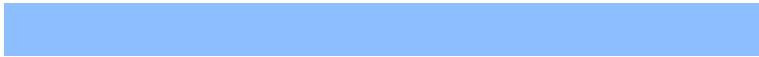
47.4480, 49.7096, 101.7019



54.3861, 49.7096, 93.7322

Triad

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



47.4480, 49.7096, 101.7019



59.5758, 49.7096, 36.8785



36.5802, 49.7096, 37.6530

Complementary

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



47.4480, 49.7096, 101.7019



68.1201, 67.3271, 34.6066

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.



40.7626, 49.7096, 27.6218



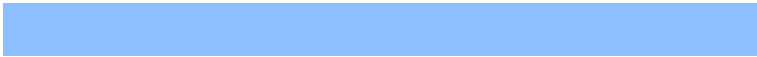
47.4480, 49.7096, 101.7019



54.0060, 49.7096, 27.2572

Square

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



47.4480, 49.7096, 101.7019



61.7940, 49.7096, 53.5539



47.0475, 49.7096, 24.3284



35.1842, 49.7096, 54.7008

Rectangle

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



47.4480, 49.7096, 101.7019



58.3040, 49.7096, 81.8242



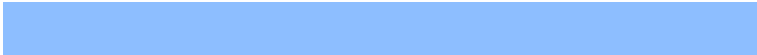
47.0475, 49.7096, 24.3284



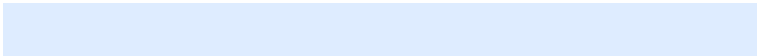
37.6854, 49.7096, 33.5107

Sweetspot

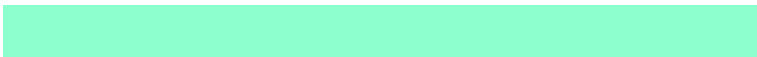
The Sweet Spot groups the original color and five complimentary colors.



47.4495, 49.7114, 101.7021



78.1521, 82.7736, 106.4656



57.8378, 81.6201, 70.8455



16.1691, 17.1378, 22.7057



0.0000, 0.0000, 0.0000



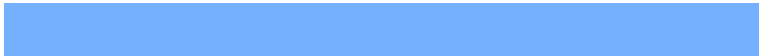
20.3446, 21.4041, 23.3091

Same Dimension

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



47.4495, 49.7114, 101.7021



41.0474, 42.2646, 100.6022



39.8982, 32.6239, 98.8019



17.6450, 18.6617, 22.9220



12.4642, 9.8379, 50.6766



1.3195, 1.1697, 4.9695

Inverse Universe

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



60.0603, 44.0292, 54.0498



55.5210, 37.2065, 45.5825



79.0673, 93.2903, 39.0410



18.3335, 18.1167, 20.3732



23.0795, 11.7211, 9.0693



2.3006, 1.1626, 1.1646

Previews

White Background



This preview shows how the XYZ color 47.4480, 49.7096, 101.7019 looks on a white background.

Color Contrast Check

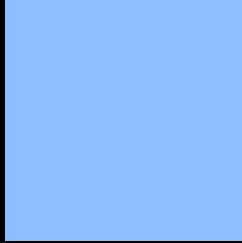
Large Text (above 18pt) WCAG AA × Fail

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 47.4480, 49.7096, 101.7019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

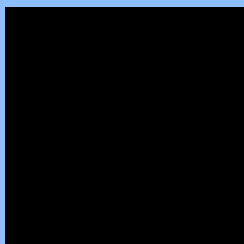
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

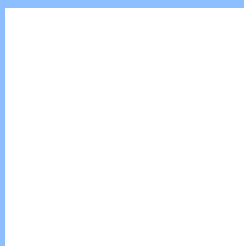
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.4480, 49.7096, 101.7019

Background



This preview shows how black text looks on a background with the XYZ color 47.4480, 49.7096, 101.7019.



This preview shows how white text looks on a background with the XYZ color 47.4480, 49.7096,

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

47.4480, 49.7096, 101.7019

Protanopia

50.5443, 49.5079, 97.3345

Deuteranopia

50.7075, 49.5003, 101.4897



Tritanopia

41.3849, 49.9103, 71.0708

Trichromacy



Original Color

47.4480, 49.7096, 101.7019

Protanomaly

49.2301, 49.4152, 99.0388

Deuteranomaly

49.3192, 49.4057, 101.5446

Tritanomaly

43.3308, 49.6739, 81.4330

Monochromacy



Original Color

47.4480, 49.7096, 101.7019

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.2160, 48.0461, 67.2123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4480, 49.7096, 101.7019 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(141, 190, 255)` looks like.

```
.text, #text, p{  
    color:rgb(141, 190, 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(141, 190, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 190, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.4480, 49.7096, 101.7019 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(141, 190, 255) }
```


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

```
.border{ border-color:rgb(141, 190, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 190, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 190, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 190, 255);  
box-shadow:4px 4px 4px 4px rgb(141, 190,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4480, 49.7096, 101.7019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 190, 255) }
```

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

```
.background{ background-color: rgb(141,  
190, 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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