

Converting Colors

XYZ(62.1839, 53.2984,
183.4784)

Have a look what the booklet for
XYZ(62.1839, 53.2984, 183.4784)
contains.

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Color

**XYZ(46.4851, 47.0163,
101.2328)**

Conversions

Conversions Part 1

Format	Color
Hex	90B7FF
RGB	144, 183, 255
RGB Percent	56%, 72%, 100%
CMY	0.4353, 0.2823, 0.0000
CMYK	0.44, 0.28, 0.00, 0.00
HSL	219°, 100%, 78%
HSV	219°, 44%, 100%
XYZ	46.4851, 47.0163, 101.2328
YIQ	179.5470, -46.3560, 14.1240

Conversions

Conversions Part 2

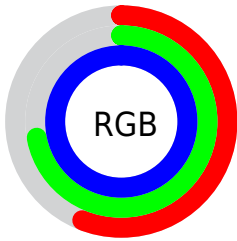
Format	Color
RYB	144, 173, 255
Decimal	9484287
CIELab	74.20, 5.14, -39.68
CIELCh	74, 40.016, 277.387
Yxy	47.0163, 0.2387, 0.2414
Android (android.graphics.Color)	4287674367 (0xFF90B7FF)
YUV	179.5470, 37.1983, -31.1747
Hunter-Lab	68.5684, 1.0171, -39.5364

Details

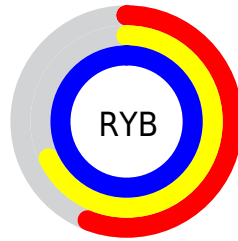
The XYZ color **46.4851, 47.0163, 101.2328** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.8307, 72.3864, 36.6263**, and the grayscale version is **42.9662, 45.2038, 49.2270**.

A 20% lighter version of the original color is **73.0039, 81.3705, 106.4661**, and **22.1062, 22.0687, 56.5206** is the 20% darker color. If you saturate the color by 10%, you get **39.3104, 38.5479, 99.9763**, and if you desaturate by 10%, it is **55.0695, 56.8084, 102.6704**.

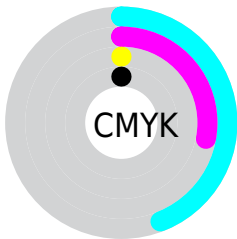
Distribution



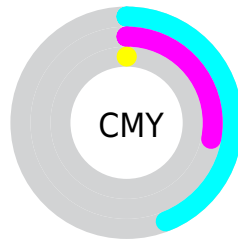
- Red (56%)
- Green (72%)
- Blue (100%)



- Red (56%)
- Yellow (68%)
- Blue (100%)



- Cyan (44%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (44%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4851, 47.0163, 101.2328 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 46.4851, 47.0163, 101.2328 by changing the saturation by 10% instead.

■ 46.4851, 47.0163,
101.2328

■ 46.4851, 47.0163,
101.2328

363.4388,
374.8796, 585.4184

■ 32.8350, 33.0485,
76.7079

■ 84.1680, 85.7380,
164.9169

■ 22.1587, 22.1636,
56.5030

■ 108.9315,
111.2606, 204.9132

■ 14.0908, 13.9772,
40.1997

138.1301,
141.4038, 250.9037

■ 8.2660, 8.1048,
27.3793

172.1294,
176.5517, 303.3070

■ 4.3189, 4.1621,
17.6233

211.2945,
217.0888, 362.5415

■ 1.8841, 1.7646,
10.5133

255.9909,

■ 0.5675, 0.4650,

263.3996, 429.0259

5.6305

306.5839,
315.8684, 503.1787

■ 0.0000, 0.0000,
2.5566

■ 0.0000, 0.0000,
0.8699

■ 46.4851, 47.0163,
101.2328

■ 46.4851, 47.0163,
101.2328

■ 39.3104, 38.5479,
99.9763

■ 55.0695, 56.8084,
102.6704

■ 33.4586, 31.3352,
98.8926

■ 65.1344, 67.9776,
104.2958

■ 28.8393, 25.3109,
97.9732

■ 76.7510, 80.5801,
106.1160

■ 25.3478, 20.3979,
97.2089

■ 89.9845, 94.6673,
108.1377

■ 22.8584, 16.5067, 95.0500, 100.0000,
96.5891 108.9000

■ 21.6720, 14.4641,
96.2573

Harmonies

Analogous

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



39.5892, 47.0163, 97.0228



46.4851, 47.0163, 101.2328



53.6002, 47.0163, 89.4484

Triad

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



46.4851, 47.0163, 101.2328



56.5721, 47.0163, 30.7519



33.1220, 47.0163, 37.4517

Complementary

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



46.4851, 47.0163, 101.2328



70.8307, 72.3864, 36.6263

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.



36.8221, 47.0163, 25.7760



46.4851, 47.0163, 101.2328



50.2059, 47.0163, 22.6924

Square

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



46.4851, 47.0163, 101.2328



59.8156, 47.0163, 46.2785



42.9370, 47.0163, 21.1530



32.3530, 47.0163, 56.4431

Rectangle

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



46.4851, 47.0163, 101.2328



57.3470, 47.0163, 75.5816



42.9370, 47.0163, 21.1530



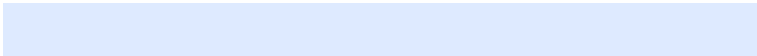
34.0434, 47.0163, 32.7114

Sweetspot

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



46.4866, 47.0180, 101.2330



77.4082, 81.2857, 106.2176



59.4386, 82.3202, 76.5772



15.9864, 16.7725, 22.6448



0.0000, 0.0000, 0.0000



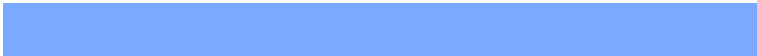
20.3446, 21.4041, 23.3091

Same Dimension

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



46.4866, 47.0180, 101.2330



40.3187, 39.7587, 100.1569



42.2833, 34.5189, 99.0420



17.5250, 18.4217, 22.8820



11.4503, 7.8102, 50.3386



1.2129, 0.9565, 4.9340

Inverse Universe

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



59.7616, 44.6270, 50.2655



55.4092, 38.1417, 41.9724



76.7978, 92.0942, 40.1158



18.2729, 18.0925, 20.0543



22.5678, 11.5164, 6.3745



2.2468, 1.1411, 0.8812

Previews

White Background



This preview shows how the XYZ color 46.4851, 47.0163, 101.2328 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 46.4851, 47.0163, 101.2328 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

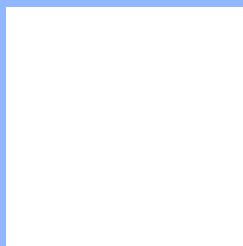
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.4851, 47.0163, 101.2328

Background



This preview shows how black text looks on a background with the XYZ color 46.4851, 47.0163, 101.2328.



This preview shows how white text looks on a background with the XYZ color 46.4851, 47.0163,

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

46.4851, 47.0163, 101.2328

Protanopia

48.1880, 46.7421, 98.5778

Deuteranopia

48.0816, 46.9304, 101.1321



Tritanopia

39.4722, 47.0296, 66.0287

Trichromacy



Original Color

46.4851, 47.0163, 101.2328

Protanomaly

47.3773, 46.6044, 99.4270

Deuteranomaly

47.5228, 46.9431, 101.1640

Tritanomaly

41.8055, 47.0113, 77.3917

Monochromacy



Original Color

46.4851, 47.0163, 101.2328

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

43.7227, 45.7682, 65.5612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4851, 47.0163, 101.2328 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(144, 183, 255)` looks like.

```
.text, #text, p{  
    color:rgb(144, 183, 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(144, 183, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 183, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.4851, 47.0163, 101.2328 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(144, 183, 255) }
```


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

```
.border{ border-color:rgb(144, 183, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 183, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 183, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 183, 255);  
box-shadow:4px 4px 4px 4px rgb(144, 183,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4851, 47.0163, 101.2328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 183, 255) }
```

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

```
.background{ background-color: rgb(144,  
183, 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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