

# Converting Colors

XYZ(47.0470, 47.7342,  
101.3417)

Have a look what the booklet for  
XYZ(47.0470, 47.7342, 101.3417)  
contains.

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# **Color**

**XYZ(47.0445, 47.6120,  
101.3183)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92B8FF
RGB	146, 184, 255
RGB Percent	57%, 72%, 100%
CMY	0.4274, 0.2784, 0.0000
CMYK	0.43, 0.28, 0.00, 0.00
HSL	219°, 100%, 79%
HSV	219°, 43%, 100%
XYZ	47.0445, 47.6120, 101.3183
YIQ	180.7320, -45.4390, 14.0250

# Conversions

## Conversions Part 2

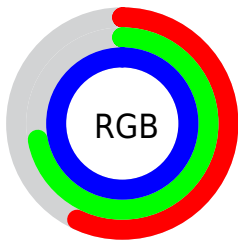
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	146, 174, 255
Decimal	9615615
CIE <sub>Lab</sub>	74.58, 5.08, -39.09
CIE <sub>LCh</sub>	75, 39.414, 277.410
Yxy	47.6120, 0.2401, 0.2429
Android (android.graphics.Color)	4287805695 (0xFF92B8FF)
YUV	180.7320, 36.6141, -30.4600
Hunter-Lab	69.0014, 0.9470, -38.7575

# Details

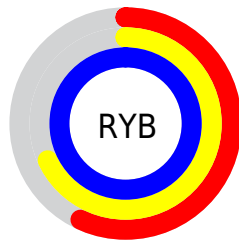
The XYZ color **47.0445, 47.6120, 101.3183** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **71.2418, 72.9617, 37.5241**, and the grayscale version is **43.6039, 45.8747, 49.9576**.

A 20% lighter version of the original color is **73.8387, 82.2367, 106.5893**, and **22.4292, 22.4337, 56.5741** is the 20% darker color. If you saturate the color by 10%, you get **39.7567, 39.0310, 100.0461**, and if you desaturate by 10%, it is **55.7512, 57.5278, 102.7733**.

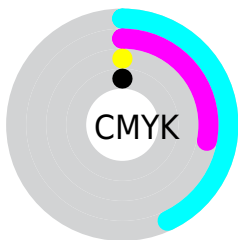
# Distribution



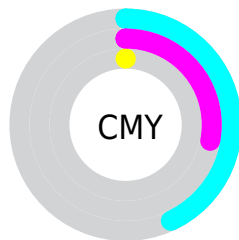
- Red (57%)
- Green (72%)
- Blue (100%)



- Red (57%)
- Yellow (68%)
- Blue (100%)



- Cyan (43%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (43%)
- Magenta (28%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0445, 47.6120, 101.3183 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 47.0445, 47.6120, 101.3183 by changing the saturation by 10% instead.



■ 47.0445, 47.6120,  
101.3183

■ 47.0445, 47.6120,  
101.3183

365.6381,  
377.2521, 585.6938

■ 33.2789, 33.5197,  
76.7790

■ 84.9984, 86.6264,  
165.0353

■ 22.5005, 22.5249,  
56.5610

■ 109.9174,  
112.3174, 205.0500

■ 14.3438, 14.2431,  
40.2459

139.2850,  
142.6433, 251.0603

■ 8.4434, 8.2899,  
27.4151

173.4664,  
177.9887, 303.4847

■ 4.4342, 4.2810,  
17.6500

212.8271,  
218.7379, 362.7417

■ 1.9506, 1.8320,  
10.5322

257.7323,

■ 0.6060, 0.5070,

265.2752, 429.2498

5.6430

308.5475,  
317.9852, 503.4277

■ 0.0000, 0.0000,  
2.5640

■ 0.0000, 0.0000,  
0.8738

■ 47.0445, 47.6120,  
101.3183

■ 47.0445, 47.6120,  
101.3183

■ 39.7567, 39.0310,  
100.0461

■ 55.7512, 57.5278,  
102.7733

■ 33.8015, 31.7166,  
98.9481

■ 65.9475, 68.8318,  
104.4178

■ 29.0892, 25.6019,  
98.0162

■ 77.7043, 81.5800,  
106.2588

■ 25.5160, 20.6098,  
97.2410

■ 91.0864, 95.8242,  
108.3029

■ 22.9581, 16.6518, 95.0500, 100.0000,  
96.6118 108.9000

■ 21.6141, 14.3481,  
96.2380

# Harmonies

## Analogous

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



40.1907, 47.6120, 97.1811



47.0445, 47.6120, 101.3183



54.1010, 47.6120, 89.6861

# Triad

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



47.0445, 47.6120, 101.3183



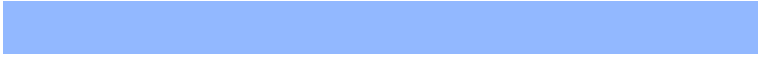
57.0362, 47.6120, 31.4650



33.7428, 47.6120, 38.1784

# Complementary

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



47.0445, 47.6120, 101.3183



71.2418, 72.9617, 37.5241

# 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.



37.4278, 47.6120, 26.4965



47.0445, 47.6120, 101.3183



50.7252, 47.6120, 23.3904

# Square

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



47.0445, 47.6120, 101.3183



60.2505, 47.6120, 46.9421



43.5091, 47.6120, 21.8470



32.9781, 47.6120, 57.0702



# Rectangle

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



47.0445, 47.6120, 101.3183



57.8111, 47.6120, 75.9867



43.5091, 47.6120, 21.8470



34.6608, 47.6120, 33.4437

# Sweetspot

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



47.0460, 47.6137, 101.3185



77.3825, 81.2345, 106.2091



60.1199, 82.6334, 78.3256



15.9801, 16.7599, 22.6427



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.



47.0460, 47.6137, 101.3185



40.9291, 40.4341, 100.2551



43.3018, 35.4976, 99.1772



17.5209, 18.4134, 22.8806



11.4194, 7.7484, 50.3283



1.2095, 0.9498, 4.9328



# Inverse Universe

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



60.1716, 45.2799, 50.9177



55.8504, 38.8278, 42.7246



76.4274, 91.8854, 40.9034



18.2708, 18.0916, 20.0433



22.5522, 11.5102, 6.2923



2.2451, 1.1404, 0.8723



# Previews

## White Background



This preview shows how the XYZ color 47.0445, 47.6120, 101.3183 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

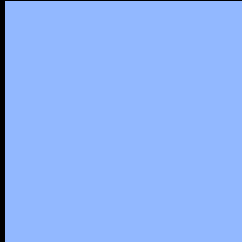
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.0445, 47.6120, 101.3183 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

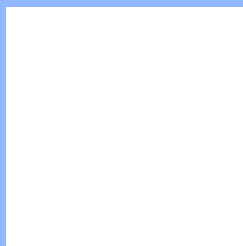
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 47.0445, 47.6120, 101.3183

## Background



This preview shows how black text looks on a background with the XYZ color 47.0445, 47.6120, 101.3183.



This preview shows how white text looks on a background with the XYZ color 47.0445, 47.6120,



# 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

47.0445, 47.6120, 101.3183

### Protanopia

48.7922, 47.3522, 98.6637

### Deuteranopia

48.6744, 47.5368, 101.2179



## Tritanopia

40.1280, 47.6805, 66.7628

# Trichromacy



## Original Color

47.0445, 47.6120, 101.3183

## Protanomaly

47.9638, 47.2075, 99.5125

## Deuteranomaly

48.1044, 47.5459, 101.2496

## Tritanomaly

42.4853, 47.6664, 78.1955

# Monochromacy



## Original Color

47.0445, 47.6120, 101.3183

## Achromatopsia

43.9204, 46.2077, 50.3202

## Achromatomaly

44.2616, 46.3348, 66.2852

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.0445, 47.6120, 101.3183 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, 184, 255)` looks like.

```
.text, #text, p{  
    color:rgb(146, 184, 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, 184, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 184, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 47.0445, 47.6120, 101.3183 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, 184, 255) }
```



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

```
.border{ border-color:rgb(146, 184, 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, 184, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 184, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 184, 255);  
box-shadow:4px 4px 4px 4px rgb(146, 184,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.0445, 47.6120, 101.3183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 184, 255) }
```

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

```
.background{ background-color: rgb(146,  
184, 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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