

Converting Colors

XYZ(49.2558, 48.9896,
101.4674)

Have a look what the booklet for
XYZ(49.2558, 48.9896, 101.4674)
contains.

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Color

**XYZ(49.3036, 49.0860,
101.4837)**

Conversions

Conversions Part 1

Format	Color
Hex	9DB9FF
RGB	157, 185, 255
RGB Percent	62%, 73%, 100%
CMY	0.3843, 0.2745, 0.0000
CMYK	0.38, 0.27, 0.00, 0.00
HSL	223°, 100%, 81%
HSV	223°, 38%, 100%
XYZ	49.3036, 49.0860, 101.4837
YIQ	184.6080, -39.1580, 15.8340

Conversions

Conversions Part 2

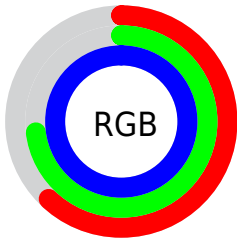
Format	Color
R _Y B	157, 179, 255
Decimal	10336767
CIE Lab	75.50, 7.33, -37.60
CIE LCh	76, 38.303, 281.029
Yxy	49.0860, 0.2467, 0.2456
Android (android.graphics.Color)	4288526847 (0xFF9DB9FF)
YUV	184.6080, 34.7033, -24.2122
Hunter-Lab	70.0614, 3.0065, -36.8384

Details

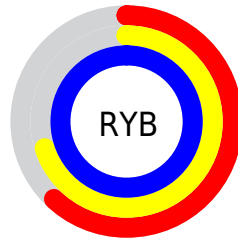
The XYZ color **49.3036, 49.0860, 101.4837** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **74.7956, 78.6334, 43.1359**, and the grayscale version is **45.7270, 48.1083, 52.3900**.

A 20% lighter version of the original color is **77.2369, 84.4267, 106.8329**, and **23.8111, 23.3464, 56.6774** is the 20% darker color. If you saturate the color by 10%, you get **41.2685, 39.6458, 100.0851**, and if you desaturate by 10%, it is **58.8681, 60.0413, 103.0942**.

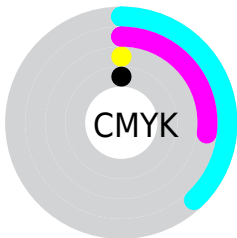
Distribution



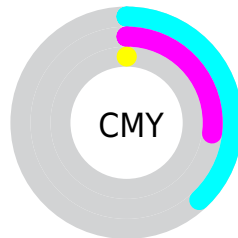
- Red (62%)
- Green (73%)
- Blue (100%)



- Red (62%)
- Yellow (70%)
- Blue (100%)



- Cyan (38%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3036, 49.0860, 101.4837 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 49.3036, 49.0860, 101.4837 by changing the saturation by 10% instead.

■ 49.3036, 49.0860,
101.4837

■ 49.3036, 49.0860,
101.4837

374.4335,
383.0808, 586.2264

■ 35.0759, 34.6877,
76.9164

■ 88.3402, 88.8192,
165.2643

■ 23.8881, 23.4224,
56.6731

■ 113.8798,
114.9228, 205.3146

■ 15.3749, 14.9057,
40.3353

143.9208,
145.6971, 251.3631

■ 9.1710, 8.7532,
27.4843

178.8285,
181.5263, 303.8283

■ 4.9109, 4.5806,
17.7016

218.9683,
222.7949, 363.1287

■ 2.2293, 2.0033,
10.5688

264.7054,

■ 0.7581, 0.6094,

269.8872, 429.6828

5.6672

316.4054,
323.1877, 503.9092

■ 0.0000, 0.0000,
2.5783

■ 0.0000, 0.0000,
0.8812

■ 49.3036, 49.0860,
101.4837

■ 49.3036, 49.0860,
101.4837

■ 41.2685, 39.6458,
100.0851

■ 58.8681, 60.0413,
103.0942

■ 34.6746, 31.6450,
98.8883

■ 70.0343, 72.5717,
104.9243

■ 29.4317, 25.0088,
97.8837

■ 82.8752, 86.7406,
106.9824

■ 25.4361, 19.6529,
97.0605

■ 95.0500, 100.0000,
108.9000

■ 22.5677, 15.4819,
96.4066

■ 20.6651, 12.3759,
95.9073

■ 20.4232, 11.9663,
95.8411

Harmonies

Analogous

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



42.3739, 49.0860, 99.3587



49.3036, 49.0860, 101.4837



56.1582, 49.0860, 88.5197

Triad

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



49.3036, 49.0860, 101.4837



57.6782, 49.0860, 31.7489



34.9450, 49.0860, 41.7636

Complementary

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



49.3036, 49.0860, 101.4837



74.7956, 78.6334, 43.1359

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.



38.2889, 49.0860, 29.1300



49.3036, 49.0860, 101.4837



51.2146, 49.0860, 24.4384

Square

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



49.3036, 49.0860, 101.4837



61.3083, 49.0860, 46.3400



44.1026, 49.0860, 23.6194



34.5446, 49.0860, 61.2444

Rectangle

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



49.3036, 49.0860, 101.4837



59.5852, 49.0860, 74.6062



44.1026, 49.0860, 23.6194



35.7449, 49.0860, 36.7212

Sweetspot

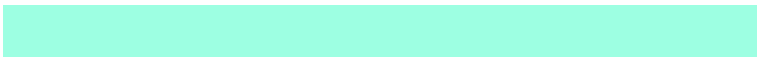
The Sweet Spot groups the original color and five complimentary colors.



49.3051, 49.0878, 101.4840



78.0940, 81.4900, 106.2209



63.3383, 84.1577, 84.5708



16.3526, 17.0425, 22.6776



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.



49.3051, 49.0878, 101.4840



43.0851, 41.8045, 100.4060



48.1490, 40.6361, 99.9136



17.4256, 18.2229, 22.8489



10.7808, 6.4712, 50.1154



1.1381, 0.8069, 4.9090

Inverse Universe

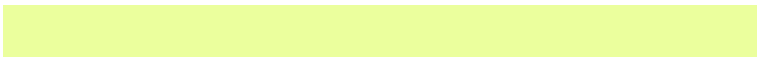
The Inverse Universe completely reimagines the original color for something new.



62.0550, 48.8784, 52.0645



57.6566, 42.2994, 43.7610



76.2397, 91.6850, 45.5790



18.2227, 18.0724, 19.7901



22.2298, 11.3812, 4.5949



2.2091, 1.1260, 0.6824

Previews

White Background



This preview shows how the XYZ color 49.3036, 49.0860, 101.4837 looks on a white background.

Color Contrast Check

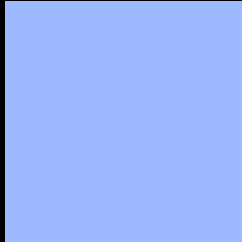
Large Text (above 18pt) WCAG AA × Fail

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 49.3036, 49.0860, 101.4837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

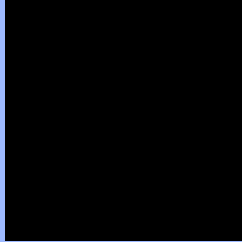
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

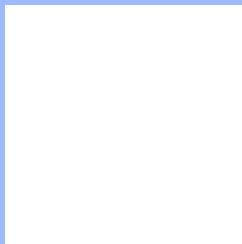
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.3036, 49.0860, 101.4837

Background



This preview shows how black text looks on a background with the XYZ color 49.3036, 49.0860, 101.4837.



This preview shows how white text looks on a background with the XYZ color 49.3036, 49.0860,

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

49.3036, 49.0860, 101.4837

Protanopia

50.3399, 49.0221, 100.5749

Deuteranopia

50.2933, 48.9795, 101.4110



Tritanopia

42.6545, 49.2980, 67.5889

Trichromacy



Original Color

49.3036, 49.0860, 101.4837

Protanomaly

49.9302, 49.1181, 100.6151

Deuteranomaly

49.8884, 49.0780, 101.4513

Tritanomaly

44.9359, 49.2366, 79.0867

Monochromacy



Original Color

49.3036, 49.0860, 101.4837

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.6610, 48.4650, 67.8682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3036, 49.0860, 101.4837 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(157, 185, 255)` looks like.

```
.text, #text, p{  
    color:rgb(157, 185, 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(157, 185, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 185, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.3036, 49.0860, 101.4837 is called "border". The border property can be set on classes, ids or directly on the HTML element.

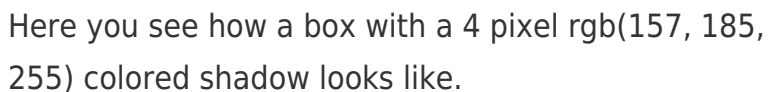
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 185, 255) }
```


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

```
.border{ border-color:rgb(157, 185, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 185, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 185, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 185, 255);  
box-shadow:4px 4px 4px 4px rgb(157, 185,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3036, 49.0860, 101.4837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 185, 255) }
```

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

```
.background{ background-color: rgb(157,  
185, 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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