

Converting Colors

XYZ(69.0058, 57.9278,
203.0028)

Have a look what the booklet for
XYZ(69.0058, 57.9278, 203.0028)
contains.

XYZ(49.7435, 50.2544, 101.6860)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.7435, 50.2544,
101.6860)**

Conversions

Conversions Part 1

Format	Color
Hex	9CBCFF
RGB	156, 188, 255
RGB Percent	61%, 74%, 100%
CMY	0.3882, 0.2627, 0.0000
CMYK	0.39, 0.26, 0.00, 0.00
HSL	221°, 100%, 81%
HSV	221°, 39%, 100%
XYZ	49.7435, 50.2544, 101.6860
YIQ	186.0700, -40.5790, 14.0530

Conversions

Conversions Part 2

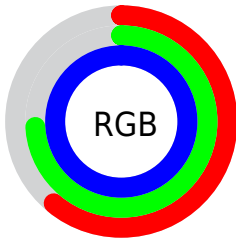
Format	Color
R _Y B	156, 180, 255
Decimal	10271999
CIE Lab	76.23, 5.41, -36.48
CIE LCh	76, 36.883, 278.440
Yxy	50.2544, 0.2466, 0.2492
Android (android.graphics.Color)	4288462079 (0xFF9CBCFF)
YUV	186.0700, 33.9825, -26.3714
Hunter-Lab	70.8903, 1.1947, -35.4231

Details

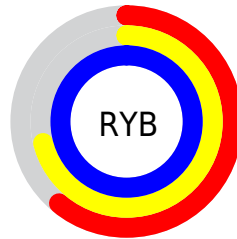
The XYZ color **49.7435, 50.2544, 101.6860** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **73.6290, 76.4362, 42.3273**, and the grayscale version is **46.5447, 48.9686, 53.3268**.

A 20% lighter version of the original color is **77.8413, 86.0675, 107.1178**, and **24.1125, 24.1145, 56.8098** is the 20% darker color. If you saturate the color by 10%, you get **41.8484, 41.0358, 100.3228**, and if you desaturate by 10%, it is **59.1183, 60.8924, 103.2453**.

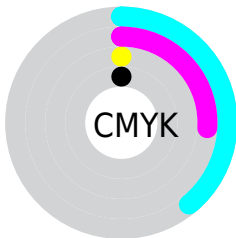
Distribution



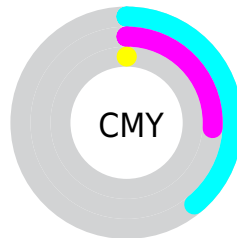
- Red (61%)
- Green (74%)
- Blue (100%)



- Red (61%)
- Yellow (71%)
- Blue (100%)



- Cyan (39%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (39%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7435, 50.2544, 101.6860 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 49.7435, 50.2544, 101.6860 by changing the saturation by 10% instead.

■ 49.7435, 50.2544,
101.6860

■ 49.7435, 50.2544,
101.6860

376.1306,
387.6600, 586.8775

■ 35.4266, 35.6156,
77.0846

■ 88.9888, 90.5517,
165.5442

■ 24.1597, 24.1374,
56.8104

■ 114.6479,
116.9790, 205.6382

■ 15.5775, 15.4356,
40.4447

144.8185,
148.1045, 251.7334

■ 9.3146, 9.1257,
27.5690

179.8659,
184.3127, 304.2485

■ 5.0057, 4.8232,
17.7648

220.1554,
225.9879, 363.6018

■ 2.2854, 2.1439,
10.6136

266.0525,

■ 0.7872, 0.6892,

273.5146, 430.2121

5.6967

317.9224,
327.2772, 504.4978

■ 0.0000, 0.0000,
2.5958

■ 0.0000, 0.0000,
0.8903

■ 49.7435, 50.2544,
101.6860

■ 49.7435, 50.2544,
101.6860

■ 41.8484, 41.0358,
100.3228

■ 59.1183, 60.8924,
103.2453

■ 35.3476, 33.1663,
99.1465

■ 70.0424, 73.0043,
105.0073

■ 30.1533, 26.5775,
98.1485

■ 82.5867, 86.6485,
106.9798

■ 26.1652, 21.1918,
97.3191

95.0500, 100.0000,
108.9000

■ 23.2663, 16.9211,
96.6476

■ 21.2937, 13.6515,
96.1204

■ 21.0995, 13.3190,
96.0665

Harmonies

Analogous

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



43.0443, 50.2544, 98.3204



49.7435, 50.2544, 101.6860



56.5170, 50.2544, 90.2891

Triad

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



49.7435, 50.2544, 101.6860



58.9541, 50.2544, 34.2957



36.4364, 50.2544, 41.8851

Complementary

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



49.7435, 50.2544, 101.6860



73.6290, 76.4362, 42.3273

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.



39.9672, 50.2544, 29.9848



49.7435, 50.2544, 101.6860



52.8194, 50.2544, 26.3957

Square

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



49.7435, 50.2544, 101.6860



62.1606, 50.2544, 49.3177



45.8403, 50.2544, 25.0349



35.7840, 50.2544, 60.4999

Rectangle

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



49.7435, 50.2544, 101.6860



60.0135, 50.2544, 77.1648



45.8403, 50.2544, 25.0349



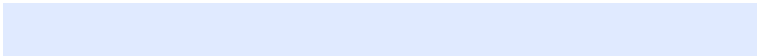
37.3084, 50.2544, 37.1111

Sweetspot

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



49.7450, 50.2562, 101.6863



78.4204, 82.1428, 106.3297



62.6561, 83.8623, 81.9929



16.4291, 17.1954, 22.7031



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.



49.7450, 50.2562, 101.6863



43.1807, 42.6130, 100.5570



47.0631, 39.8260, 99.8144



17.4824, 18.3363, 22.8678



11.1443, 7.1982, 50.2366



1.1793, 0.8893, 4.9228

Inverse Universe

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



62.2066, 48.6693, 53.6944



57.5542, 41.6815, 45.0002



77.1893, 92.1844, 45.1794



18.2514, 18.0839, 19.9408



22.4133, 11.4546, 5.5611



2.2299, 1.1343, 0.7919

Previews

White Background



This preview shows how the XYZ color 49.7435, 50.2544, 101.6860 looks on a white background.

Color Contrast Check

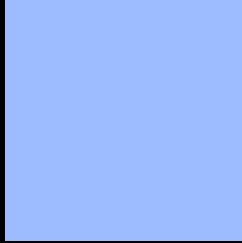
Large Text (above 18pt) WCAG AA × Fail

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 49.7435, 50.2544, 101.6860 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

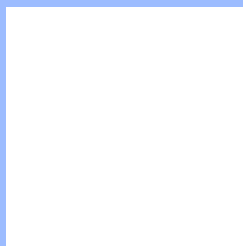
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.7435, 50.2544, 101.6860

Background



This preview shows how black text looks on a background with the XYZ color 49.7435, 50.2544, 101.6860.



This preview shows how white text looks on a background with the XYZ color 49.7435, 50.2544,

101.6860.

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

49.7435, 50.2544, 101.6860

Protanopia

51.2270, 50.1146, 99.9016

Deuteranopia

51.3353, 50.1334, 101.5788



Tritanopia

43.3006, 50.2531, 69.7050

Trichromacy



Original Color

49.7435, 50.2544, 101.6860

Protanomaly

50.7581, 50.1661, 100.7737

Deuteranomaly

50.7132, 50.1243, 101.6098

Tritanomaly

45.4680, 50.1309, 80.6786

Monochromacy



Original Color

49.7435, 50.2544, 101.6860

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.2074, 49.3578, 68.6669

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7435, 50.2544, 101.6860 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(156, 188, 255)` looks like.

```
.text, #text, p{  
    color:rgb(156, 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(156, 188, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 188, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.7435, 50.2544, 101.6860 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(156, 188, 255) }
```


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

```
.border{ border-color:rgb(156, 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(156, 188, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 188, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 188, 255);  
box-shadow:4px 4px 4px 4px rgb(156, 188,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7435, 50.2544, 101.6860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 188, 255) }
```

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

```
.background{ background-color: rgb(156,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor