

Converting Colors

XYZ(49.6440, 52.8108,
102.1847)

Have a look what the booklet for
XYZ(49.6440, 52.8108, 102.1847)
contains.

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Color

**XYZ(49.6440, 52.8108,
102.1847)**

Conversions

Conversions Part 1

Format	Color
Hex	92C4FF
RGB	146, 196, 255
RGB Percent	57%, 77%, 100%
CMY	0.4274, 0.2314, 0.0000
CMYK	0.43, 0.23, 0.00, 0.00
HSL	212°, 100%, 79%
HSV	212°, 43%, 100%
XYZ	49.6440, 52.8108, 102.1847
YIQ	187.7760, -48.7390, 7.7490

Conversions

Conversions Part 2

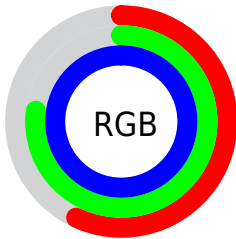
Format	Color
RYB	146, 180, 255
Decimal	9618687
CIELab	77.76, -1.48, -34.15
CIElCh	78, 34.183, 267.511
Yxy	52.8108, 0.2426, 0.2581
Android (android.graphics.Color)	4287808767 (0xFF92C4FF)
YUV	187.7760, 33.1414, -36.6376
Hunter-Lab	72.6710, -5.2350, -32.4995

Details

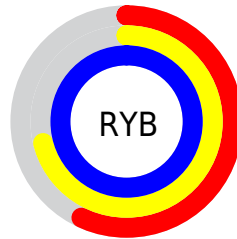
The XYZ color **49.6440, 52.8108, 102.1847** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **68.2605, 66.9991, 36.5306**, and the grayscale version is **47.5122, 49.9865, 54.4353**.

A 20% lighter version of the original color is **77.4890, 89.5373, 107.8061**, and **23.9859, 25.5471, 57.0930** is the 20% darker color. If you saturate the color by 10%, you get **42.6350, 44.7873, 101.0055**, and if you desaturate by 10%, it is **57.9535, 61.9321, 103.5074**.

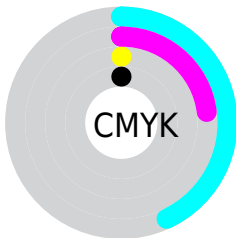
Distribution



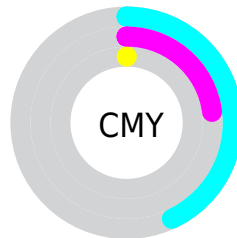
- Red (57%)
- Green (77%)
- Blue (100%)



- Red (57%)
- Yellow (71%)
- Blue (100%)



- Cyan (43%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (43%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6440, 52.8108, 102.1847 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 49.6440, 52.8108, 102.1847 by changing the saturation by 10% instead.

■ 49.6440, 52.8108,
102.1847

■ 49.6440, 52.8108,
102.1847

375.7472,
397.5588, 588.4809

■ 35.3473, 37.6518,
77.4993

■ 88.8422, 94.3259,
166.2342

■ 24.0983, 25.7125,
57.1488

■ 114.4743,
121.4508, 206.4354

■ 15.5317, 16.6087,
40.7145

144.6156,
153.3330, 252.6457

■ 9.2821, 9.9559,
27.7781

179.6314,
190.3570, 305.2834

■ 4.9842, 5.3697,
17.9209

219.8872,
232.9072, 364.7673

■ 2.2727, 2.4658,
10.7243

265.7481,

■ 0.7806, 0.8594,

281.3680, 431.5158

5.7699

317.5797,
336.1237, 505.9475

■ 0.0000, 0.0000,
2.6392

■ 0.0000, 0.0000,
0.9126

■ 49.6440, 52.8108,
102.1847

■ 49.6440, 52.8108,
102.1847

■ 42.6350, 44.7873,
101.0055

■ 57.9535, 61.9321,
103.5074

■ 36.8460, 37.8055,
99.9629

■ 67.6278, 72.1921,
104.9778

■ 32.1943, 31.8119,
99.0512

■ 78.7325, 83.6362,
106.6015

■ 28.5832, 26.7442,
98.2634

■ 91.3272, 96.3054,
108.3831

■ 25.8970, 22.5296, 95.0500, 100.0000,
97.5915 108.9000

■ 24.4082, 19.9363,
97.1694

Harmonies

Analogous

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



43.6599, 52.8108, 94.0837



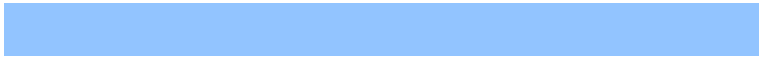
49.6440, 52.8108, 102.1847



56.3112, 52.8108, 96.3004

Triad

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



49.6440, 52.8108, 102.1847



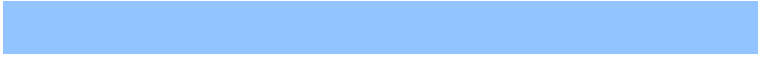
62.3600, 52.8108, 42.2449



40.2001, 52.8108, 40.0501

Complementary

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



49.6440, 52.8108, 102.1847



68.2605, 66.9991, 36.5306

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.



44.5387, 52.8108, 30.8381



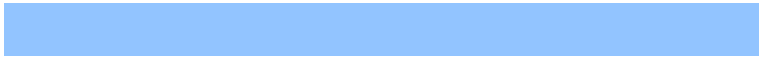
49.6440, 52.8108, 102.1847



57.3519, 52.8108, 31.8956

Square

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



49.6440, 52.8108, 102.1847



64.0251, 52.8108, 59.1006



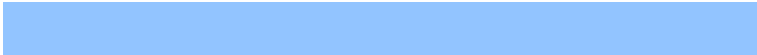
50.7502, 52.8108, 28.2162



38.5155, 52.8108, 55.9324

Rectangle

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



49.6440, 52.8108, 102.1847



60.1851, 52.8108, 85.8264



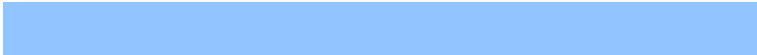
50.7502, 52.8108, 28.2162



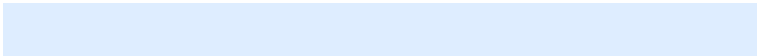
41.3766, 52.8108, 36.2153

Sweetspot

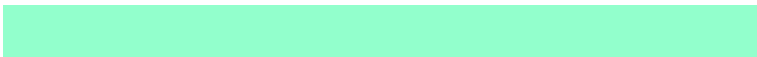
The Sweet Spot groups the original color and five complimentary colors.



49.6456, 52.8127, 102.1850



78.4288, 83.3270, 106.5578



58.5303, 81.9976, 69.9544



16.2372, 17.2740, 22.7284



0.0000, 0.0000, 0.0000



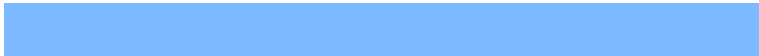
20.3446, 21.4041, 23.3091

Same Dimension

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



49.6456, 52.8127, 102.1850



43.7669, 46.1097, 101.2010



40.8409, 34.2291, 99.0621



17.6895, 18.7507, 22.9369



12.8991, 10.7078, 50.8215



1.3637, 1.2580, 4.9842

Inverse Universe

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



61.4838, 45.8050, 57.8271



57.2827, 39.4008, 50.2673



80.8647, 94.1729, 41.1114



18.3559, 18.1257, 20.4915



23.2991, 11.8089, 10.2253



2.3229, 1.1715, 1.2819

Previews

White Background



This preview shows how the XYZ color 49.6440, 52.8108, 102.1847 looks on a white background.

Color Contrast Check

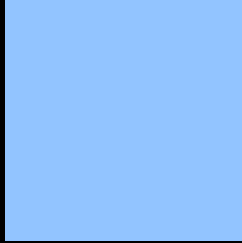
Large Text (above 18pt) WCAG AA × Fail

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 49.6440, 52.8108, 102.1847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

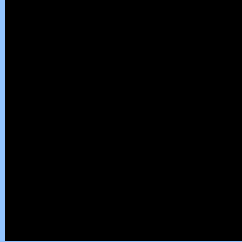
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

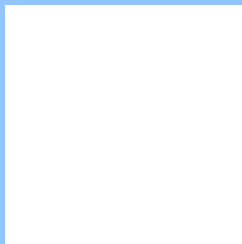
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.6440, 52.8108, 102.1847

Background



This preview shows how black text looks on a background with the XYZ color 49.6440, 52.8108, 102.1847.



This preview shows how white text looks on a background with the XYZ color 49.6440, 52.8108,

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

49.6440, 52.8108, 102.1847

Protanopia

53.1321, 52.4113, 97.7585

Deuteranopia

53.9268, 52.7292, 101.9432



Tritanopia

44.2955, 53.0606, 74.9249

Trichromacy



Original Color

49.6440, 52.8108, 102.1847

Protanomaly

51.7302, 52.6201, 99.5257

Deuteranomaly

52.2095, 52.8118, 102.0497

Tritanomaly

46.0350, 52.7102, 84.0917

Monochromacy



Original Color

49.6440, 52.8108, 102.1847

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.7480, 50.8993, 69.5953

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6440, 52.8108, 102.1847 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, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(146, 196, 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, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 196, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.6440, 52.8108, 102.1847 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, 196, 255) }
```


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

```
.border{ border-color:rgb(146, 196, 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, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(146, 196,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6440, 52.8108, 102.1847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 196, 255) }
```

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

```
.background{ background-color: rgb(146,  
196, 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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