

Converting Colors

XYZ(49.3845, 51.9792,
102.0379)

Have a look what the booklet for
XYZ(49.3845, 51.9792, 102.0379)
contains.

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Color

**XYZ(49.3744, 52.0066,
102.0437)**

Conversions

Conversions Part 1

Format	Color
Hex	93C2FF
RGB	147, 194, 255
RGB Percent	58%, 76%, 100%
CMY	0.4235, 0.2392, 0.0000
CMYK	0.42, 0.24, 0.00, 0.00
HSL	214°, 100%, 79%
HSV	214°, 42%, 100%
XYZ	49.3744, 52.0066, 102.0437
YIQ	186.9010, -47.5930, 9.0070

Conversions

Conversions Part 2

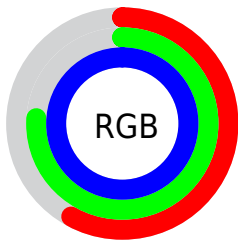
Format	Color
R_{YB}	147, 180, 255
Decimal	9683711
CIE _{Lab}	77.28, -0.15, -34.89
CIE _{LCh}	77, 34.886, 269.749
Yxy	52.0066, 0.2427, 0.2557
Android (android.graphics.Color)	4287873791 (0xFF93C2FF)
YUV	186.9010, 33.5728, -34.9932
Hunter-Lab	72.1156, -3.9912, -33.4145

Details

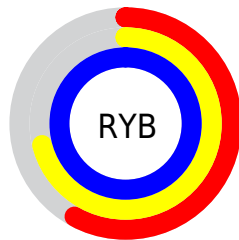
The XYZ color **49.3744, 52.0066, 102.0437** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69.0631, 68.4793, 37.1835**, and the grayscale version is **47.0157, 49.4642, 53.8665**.

A 20% lighter version of the original color is **77.1374, 88.4286, 107.6106**, and **24.0323, 25.3511, 57.0527** is the 20% darker color. If you saturate the color by 10%, you get **42.2468, 43.8030, 100.8359**, and if you desaturate by 10%, it is **57.8292, 61.3578, 103.4031**.

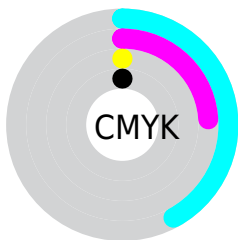
Distribution



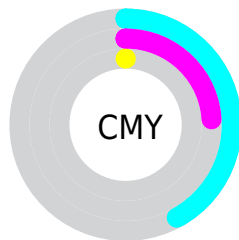
- Red (58%)
- Green (76%)
- Blue (100%)



- Red (58%)
- Yellow (71%)
- Blue (100%)



- Cyan (42%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (42%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3744, 52.0066, 102.0437 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 49.3744, 52.0066, 102.0437 by changing the saturation by 10% instead.

■ 49.3744, 52.0066,
102.0437

■ 49.3744, 52.0066,
102.0437

374.7069,
394.4621, 588.0278

■ 35.1323, 37.0103,
77.3820

■ 88.4446, 93.1410,
166.0392

■ 23.9318, 25.2155,
57.0531

■ 114.0035,
120.0479, 206.2101

■ 15.4075, 16.2377,
40.6382

144.0654,
151.6938, 252.3878

■ 9.1941, 9.6925,
27.7189

178.9956,
188.4631, 304.9909

■ 4.9261, 5.1956,
17.8767

219.1595,
230.7401, 364.4379

■ 2.2383, 2.3625,
10.6930

264.9225,

■ 0.7628, 0.8065,

278.9094, 431.1474

5.7492

316.6498,
333.3553, 505.5378

■ 0.0000, 0.0000,
2.6269

■ 0.0000, 0.0000,
0.9063

■ 49.3744, 52.0066,
102.0437

■ 49.3744, 52.0066,
102.0437

■ 42.2468, 43.8030,
100.8359

■ 57.8292, 61.3578,
103.4031

■ 36.3652, 36.6888,
99.7727

■ 67.6765, 71.8995,
104.9188

■ 31.6460, 30.6083,
98.8478

■ 78.9826, 83.6790,
106.5966

■ 27.9919, 25.4971,
98.0538

■ 91.8079, 96.7391,
108.4415

■ 25.2868, 21.2802,
97.3825

95.0500, 100.0000,
108.9000

■ 23.7315, 18.5831,
96.9438

Harmonies

Analogous

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



43.2281, 52.0066, 94.7927



49.3744, 52.0066, 102.0437



56.0937, 52.0066, 95.0204

Triad

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



49.3744, 52.0066, 102.0437



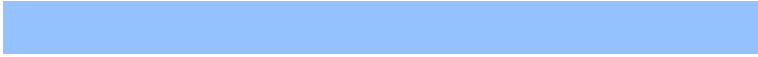
61.4637, 52.0066, 40.2397



39.1288, 52.0066, 40.0176

Complementary

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



49.3744, 52.0066, 102.0437



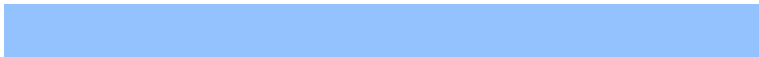
69.0631, 68.4793, 37.1835

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.



43.3174, 52.0066, 30.2814



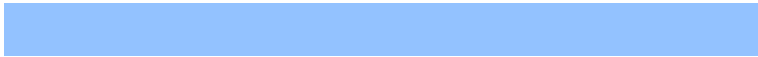
49.3744, 52.0066, 102.0437



56.1999, 52.0066, 30.3878

Square

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



49.3744, 52.0066, 102.0437



63.4453, 52.0066, 56.7878



49.4871, 52.0066, 27.1935



37.6487, 52.0066, 56.4652

Rectangle

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



49.3744, 52.0066, 102.0437



59.9150, 52.0066, 83.9275



49.4871, 52.0066, 27.1935



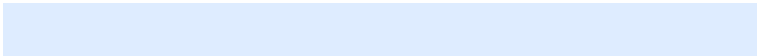
40.2469, 52.0066, 35.9987

Sweetspot

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



49.3760, 52.0085, 102.0440



78.2034, 82.8762, 106.4827



58.9830, 82.1993, 71.4063



16.1817, 17.1631, 22.7099



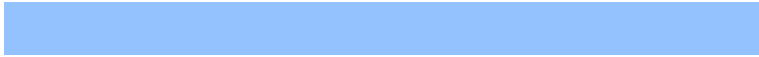
0.0000, 0.0000, 0.0000



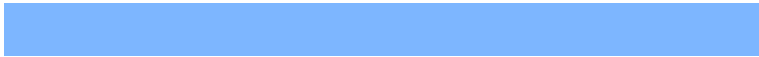
20.3446, 21.4041, 23.3091

Same Dimension

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



49.3760, 52.0085, 102.0440



43.1354, 44.8466, 100.9905



41.5092, 34.8034, 99.1377



17.6533, 18.6782, 22.9248



12.5424, 9.9944, 50.7026



1.3275, 1.1857, 4.9722

Inverse Universe

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



61.4124, 46.0241, 56.6876



56.9640, 39.2732, 48.5888



80.3081, 93.8770, 41.4931



18.3376, 18.1184, 20.3952



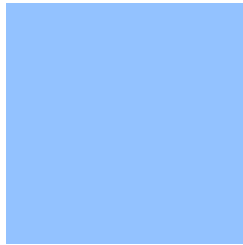
23.1190, 11.7369, 9.2772



2.3047, 1.1642, 1.1858

Previews

White Background



This preview shows how the XYZ color 49.3744, 52.0066, 102.0437 looks on a white background.

Color Contrast Check

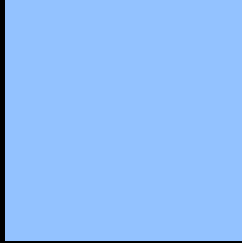
Large Text (above 18pt) WCAG AA × Fail

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 49.3744, 52.0066, 102.0437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

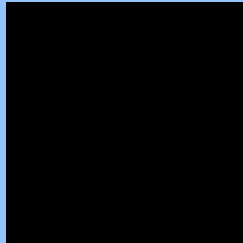
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

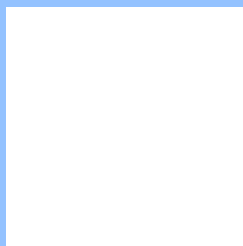
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.3744, 52.0066, 102.0437

Background



This preview shows how black text looks on a background with the XYZ color 49.3744, 52.0066, 102.0437.



This preview shows how white text looks on a background with the XYZ color 49.3744, 52.0066,

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

49.3744, 52.0066, 102.0437

Protanopia

52.4721, 51.7528, 97.6662

Deuteranopia

53.0465, 51.9571, 101.8406



Tritanopia

43.7276, 52.1014, 73.3975

Trichromacy



Original Color

49.3744, 52.0066, 102.0437

Protanomaly

51.2940, 51.7477, 99.3803

Deuteranomaly

51.5677, 51.8334, 101.8947

Tritanomaly

45.6024, 51.8204, 83.2001

Monochromacy



Original Color

49.3744, 52.0066, 102.0437

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.3104, 50.3510, 69.5126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3744, 52.0066, 102.0437 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(147, 194, 255)` looks like.

```
.text, #text, p{  
    color:rgb(147, 194, 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(147, 194, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 194, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.3744, 52.0066, 102.0437 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(147, 194, 255) }
```


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

```
.border{ border-color:rgb(147, 194, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 194, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 194, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 194, 255);  
box-shadow:4px 4px 4px 4px rgb(147, 194,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3744, 52.0066, 102.0437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 194, 255) }
```

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

```
.background{ background-color: rgb(147,  
194, 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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