

Converting Colors

XYZ(46.8548, 51.2481,
100.2269)

Have a look what the booklet for
XYZ(46.8548, 51.2481, 100.2269)
contains.

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Color

**XYZ(46.9853, 51.4772,
100.3882)**

Conversions

Conversions Part 1

Format	Color
Hex	84C4FD
RGB	132, 196, 253
RGB Percent	52%, 77%, 99%
CMY	0.4823, 0.2314, 0.0078
CMYK	0.48, 0.23, 0.00, 0.01
HSL	208°, 97%, 75%
HSV	208°, 48%, 99%
XYZ	46.9853, 51.4772, 100.3882
YIQ	183.3620, -56.4410, 4.1590

Conversions

Conversions Part 2

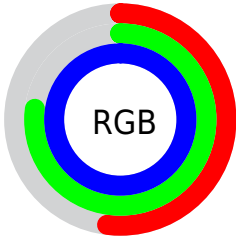
Format	Color
RYB	132, 174, 253
Decimal	8701181
CIELab	76.97, -5.37, -34.37
CIELCh	77, 34.787, 261.113
Yxy	51.4772, 0.2363, 0.2589
Android (android.graphics.Color)	4286891261 (0xFF84C4FD)
YUV	183.3620, 34.3315, -45.0445
Hunter-Lab	71.7476, -8.6642, -32.7344

Details

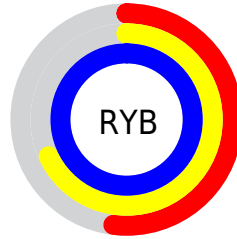
The XYZ color **46.9853, 51.4772, 100.3882** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.8722, 58.9459, 29.8959**, and the grayscale version is **45.0495, 47.3956, 51.6138**.

A 20% lighter version of the original color is **74.0956, 87.7880, 107.6473**, and **22.3845, 24.7480, 55.8216** is the 20% darker color. If you saturate the color by 10%, you get **40.9160, 44.5157, 99.3653**, and if you desaturate by 10%, it is **54.2309, 59.3642, 101.5296**.

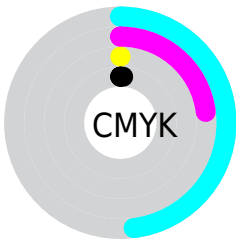
Distribution



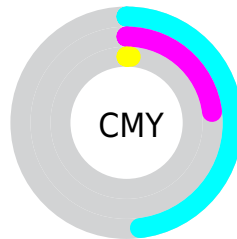
- Red (52%)
- Green (77%)
- Blue (99%)



- Red (52%)
- Yellow (68%)
- Blue (99%)



- Cyan (48%)
- Magenta (23%)
- Yellow (0%)
- Black (1%)



- Cyan (48%)
- Magenta (23%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9853, 51.4772, 100.3882 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 46.9853, 51.4772, 100.3882 by changing the saturation by 10% instead.

■ 46.9853, 51.4772,
100.3882

■ 46.9853, 51.4772,
100.3882

365.4057,
392.4150, 582.6939

■ 33.2319, 36.5885,
76.0061

■ 84.9106, 92.3598,
163.7471

■ 22.4643, 24.8891,
55.9308

■ 109.8132,
119.1224, 203.5609

■ 14.3169, 15.9944,
39.7438

■ 139.1629,
150.6119, 249.3558

■ 8.4246, 9.5202,
27.0266

173.3251,
187.2126, 301.5502

■ 4.4219, 5.0820,
17.3606

212.6651,
229.3088, 360.5626

■ 1.9435, 2.2955,
10.3272

257.5483,

■ 0.6019, 0.7713,

277.2850, 426.8117

5.5080

308.3401,
331.5256, 500.7159

■ 0.0000, 0.0000,
2.4844

■ 0.0000, 0.0000,
0.8319

■ 46.9853, 51.4772,
100.3882

■ 46.9853, 51.4772,
100.3882

■ 40.9160, 44.5157,
99.3653

■ 54.2309, 59.3642,
101.5296

■ 35.9422, 38.4276,
98.4524

■ 62.7158, 68.2132,
102.7904

■ 31.9804, 33.1634,
97.6451

■ 72.5044, 78.0653,
104.1762

■ 28.9307, 28.6636,
96.9373

■ 83.6549, 88.9570,
105.6908

■ 26.6609, 24.8518,
96.3212

94.7298, 99.8719,
107.2139

■ 26.2297, 24.0918,
96.1972

Harmonies

Analogous

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



41.3561, 51.4772, 89.5242



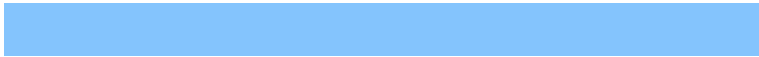
46.9853, 51.4772, 100.3882



53.6624, 51.4772, 97.4506

Triad

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



46.9853, 51.4772, 100.3882



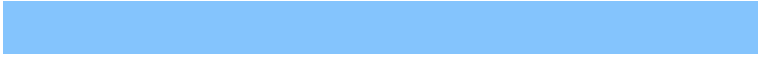
61.8031, 51.4772, 43.9057



39.6642, 51.4772, 36.1197

Complementary

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



46.9853, 51.4772, 100.3882



62.8722, 58.9459, 29.8959

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.



44.4797, 51.4772, 28.4339



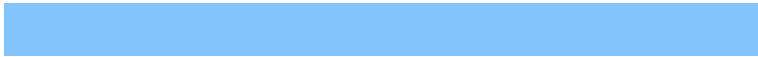
46.9853, 51.4772, 100.3882



57.3708, 51.4772, 32.1727

Square

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



46.9853, 51.4772, 100.3882



62.6275, 51.4772, 61.8787



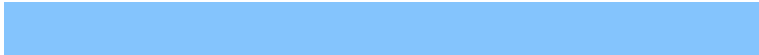
50.9226, 51.4772, 27.1735



37.3871, 51.4772, 50.5991

Rectangle

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



46.9853, 51.4772, 100.3882



57.7935, 51.4772, 88.2849



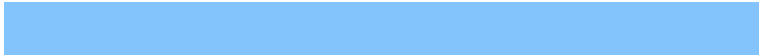
50.9226, 51.4772, 27.1735



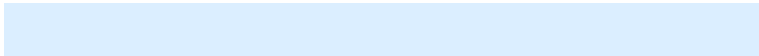
41.0181, 51.4772, 32.8062

Sweetspot

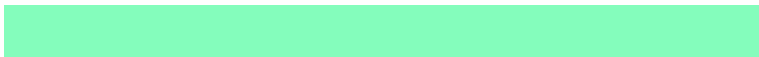
The Sweet Spot groups the original color and five complimentary colors.



46.9870, 51.4791, 100.3894



77.9815, 83.5820, 106.6306



53.7702, 78.8085, 60.2208



16.1816, 17.3890, 22.7535



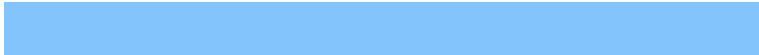
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



46.9870, 51.4791, 100.3894



42.1075, 45.8536, 101.2391



36.0561, 29.6173, 96.7458



17.7984, 18.9684, 22.9731



14.1004, 13.1103, 51.2220



1.4823, 1.4954, 5.0238

Inverse Universe

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



58.7246, 41.3727, 57.1169



55.6975, 35.9042, 50.7443



78.5395, 90.2805, 35.1183



18.4109, 18.1477, 20.7808



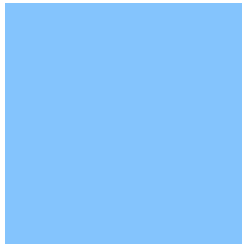
23.9054, 12.0515, 13.4183



2.3828, 1.1955, 1.5974

Previews

White Background



This preview shows how the XYZ color 46.9853, 51.4772, 100.3882 looks on a white background.

Color Contrast Check

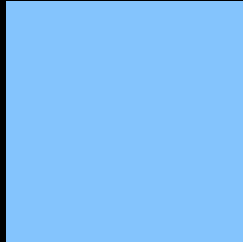
Large Text (above 18pt) WCAG AA × Fail

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 46.9853, 51.4772, 100.3882 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

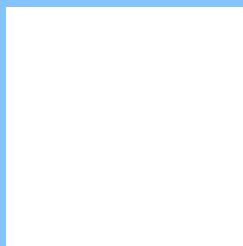
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.9853, 51.4772, 100.3882

Background



This preview shows how black text looks on a background with the XYZ color 46.9853, 51.4772, 100.3882.

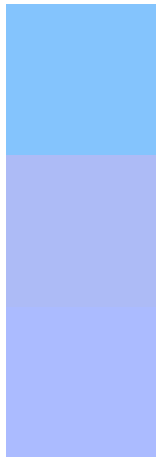


This preview shows how white text looks on a background with the XYZ color 46.9853, 51.4772,

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

46.9853, 51.4772, 100.3882

Protanopia

51.6385, 51.0787, 94.3263

Deuteranopia

52.6149, 51.4186, 101.7594



Tritanopia

41.7919, 51.4205, 74.7403

Trichromacy



Original Color

46.9853, 51.4772, 100.3882

Protanomaly

49.6129, 50.9356, 96.8392

Deuteranomaly

50.2075, 51.1508, 100.9928

Tritanomaly

43.5355, 51.4380, 83.2353

Monochromacy



Original Color

46.9853, 51.4772, 100.3882

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

44.6782, 48.4130, 66.6644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9853, 51.4772, 100.3882 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(132, 196, 253)` looks like.

```
.text, #text, p{  
    color:rgb(132, 196, 253)  
}
```

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(132, 196, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 196, 253) }
```

Border

The CSS property to change the border of an element to XYZ 46.9853, 51.4772, 100.3882 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(132, 196, 253) }
```


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

```
.border{ border-color:rgb(132, 196, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 196, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 196, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 196, 253);  
box-shadow:4px 4px 4px 4px rgb(132, 196,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9853, 51.4772, 100.3882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 196, 253) }
```

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

```
.background{ background-color: rgb(132,  
196, 253) }
```

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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