

Converting Colors

XYZ(45.0983, 46.4483,
101.1962)

Have a look what the booklet for
XYZ(45.0983, 46.4483, 101.1962)
contains.

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Color

**XYZ(44.9752, 46.2379,
101.1621)**

Conversions

Conversions Part 1

Format	Color
Hex	87B7FF
RGB	135, 183, 255
RGB Percent	53%, 72%, 100%
CMY	0.4706, 0.2823, 0.0000
CMYK	0.47, 0.28, 0.00, 0.00
HSL	216°, 100%, 76%
HSV	216°, 47%, 100%
XYZ	44.9752, 46.2379, 101.1621
YIQ	176.8560, -51.7200, 12.2160

Conversions

Conversions Part 2

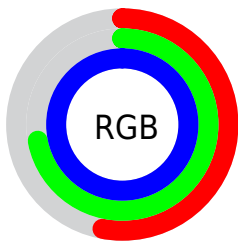
Format	Color
RYB	135, 169, 255
Decimal	8894463
CIELab	73.70, 2.99, -40.50
CIElCh	74, 40.612, 274.222
Yxy	46.2379, 0.2338, 0.2404
Android (android.graphics.Color)	4287084543 (0xFF87B7FF)
YUV	176.8560, 38.5250, -36.7077
Hunter-Lab	67.9985, -0.9347, -40.6075

Details

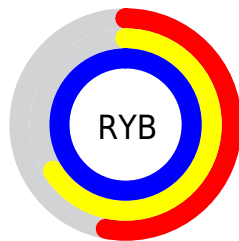
The XYZ color **44.9752, 46.2379, 101.1621** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.9271, 67.6364, 32.3987**, and the grayscale version is **41.5396, 43.7029, 47.5925**.

A 20% lighter version of the original color is **70.9088, 80.2905, 106.3681**, and **21.2362, 21.6203, 56.4799** is the 20% darker color. If you saturate the color by 10%, you get **38.3669, 38.3990, 99.9973**, and if you desaturate by 10%, it is **52.9119, 55.2726, 102.4877**.

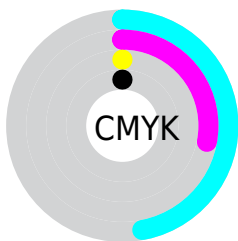
Distribution



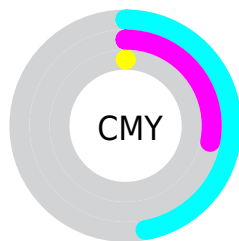
- Red (53%)
- Green (72%)
- Blue (100%)



- Red (53%)
- Yellow (66%)
- Blue (100%)



- Cyan (47%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.9752, 46.2379, 101.1621 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 44.9752, 46.2379, 101.1621 by changing the saturation by 10% instead.

■ 44.9752, 46.2379,
101.1621

■ 44.9752, 46.2379,
101.1621

357.4585,
371.7643, 585.1906

■ 31.6391, 32.4336,
76.6491

■ 81.9205, 84.5749,
164.8190

■ 21.2402, 21.6929,
56.4551

■ 106.2604,
109.8764, 204.8001

■ 13.4131, 13.6314,
40.1615

■ 134.9989,
139.7791, 250.7742

■ 7.7926, 7.8648,
27.3497

168.5014,
174.6674, 303.1601

■ 4.0132, 4.0085,
17.6013

207.1333,
214.9257, 362.3760

■ 1.7096, 1.6783,
10.4977

251.2598,

■ 0.4623, 0.4096,

260.9383, 428.8408

5.6202

301.2465,
313.0897, 502.9728

■ 0.0000, 0.0000,
2.5505

■ 0.0000, 0.0000,
0.8668

■ 44.9752, 46.2379,
101.1621

■ 44.9752, 46.2379,
101.1621

■ 38.3669, 38.3990,
99.9973

■ 52.9119, 55.2726,
102.4877

■ 33.0004, 31.6925,
98.9857

■ 62.2473, 65.5523,
103.9798

■ 28.7847, 26.0553,
98.1198

■ 73.0516, 77.1288,
105.6448

■ 25.6127, 21.4140,
97.3911

■ 85.3888, 90.0493,
107.4885

■ 23.3499, 17.6803, 95.0500, 100.0000,
96.7897 108.9000

■ 22.8013, 16.7225,
96.6338

Harmonies

Analogous

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



38.1961, 46.2379, 95.1710



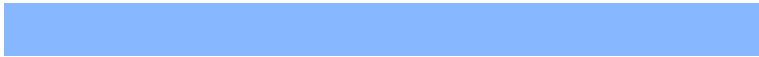
44.9752, 46.2379, 101.1621



52.2054, 46.2379, 90.7762

Triad

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



44.9752, 46.2379, 101.1621



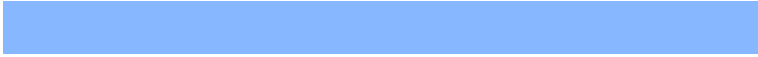
56.4221, 46.2379, 31.1715



32.6195, 46.2379, 34.9917

Complementary

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



44.9752, 46.2379, 101.1621



67.9271, 67.6364, 32.3987

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.



36.6103, 46.2379, 24.1558



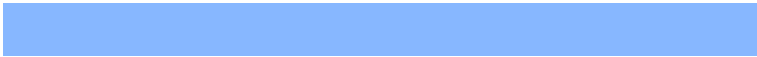
44.9752, 46.2379, 101.1621



50.2496, 46.2379, 22.4101

Square

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



44.9752, 46.2379, 101.1621



59.2561, 46.2379, 47.4814



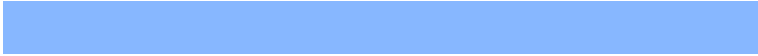
42.9360, 46.2379, 20.2456



31.5329, 46.2379, 53.3220

Rectangle

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



44.9752, 46.2379, 101.1621



56.1677, 46.2379, 77.2754



42.9360, 46.2379, 20.2456



33.6427, 46.2379, 30.5350

Sweetspot

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



44.9767, 46.2395, 101.1623



76.6571, 80.9333, 106.1892



57.0153, 81.1765, 71.6965



15.8598, 16.7454, 22.6462



0.0000, 0.0000, 0.0000



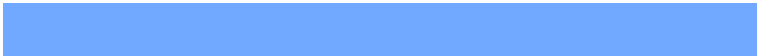
20.3446, 21.4041, 23.3091

Same Dimension

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



44.9767, 46.2395, 101.1623



39.0050, 39.1728, 100.1131



38.7483, 30.7530, 98.5014



17.5993, 18.5702, 22.9068



12.0505, 9.0105, 50.5387



1.2767, 1.0841, 4.9552

Inverse Universe

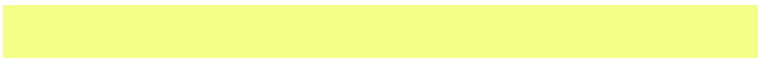
The Inverse Universe completely reimagines the original color for something new.



58.4523, 42.0085, 49.8290



54.2477, 35.7691, 41.7385



77.0959, 92.3242, 36.6807



18.3104, 18.1075, 20.2516



22.8707, 11.6376, 7.9697



2.2790, 1.1540, 1.0508

Previews

White Background



This preview shows how the XYZ color 44.9752, 46.2379, 101.1621 looks on a white background.

Color Contrast Check

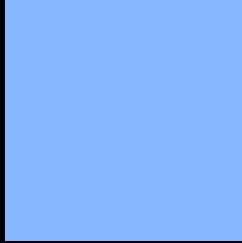
Large Text (above 18pt) WCAG AA × Fail

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 44.9752, 46.2379, 101.1621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

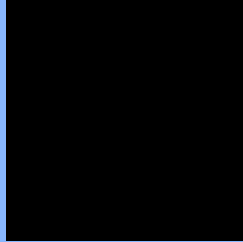
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

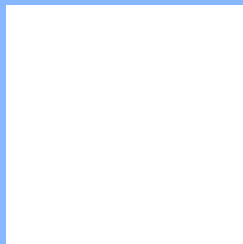
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.9752, 46.2379, 101.1621

Background



This preview shows how black text looks on a background with the XYZ color 44.9752, 46.2379, 101.1621.



This preview shows how white text looks on a background with the XYZ color 44.9752, 46.2379,

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

44.9752, 46.2379, 101.1621

Protanopia

47.4335, 46.0749, 97.6601

Deuteranopia

47.3070, 46.2325, 101.0382



Tritanopia

37.9973, 46.2692, 65.9597

Trichromacy



Original Color

44.9752, 46.2379, 101.1621

Protanomaly

46.4696, 46.1548, 98.5550

Deuteranomaly

46.2253, 45.9735, 101.0452

Tritanomaly

40.2563, 46.2126, 77.3192

Monochromacy



Original Color

44.9752, 46.2379, 101.1621

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

42.0398, 44.3294, 64.0983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.9752, 46.2379, 101.1621 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(135, 183, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 183, 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(135, 183, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 183, 255) }
```

Border

The CSS property to change the border of an element to XYZ 44.9752, 46.2379, 101.1621 is called "border". The border property can be set on classes, ids or directly on the HTML element.

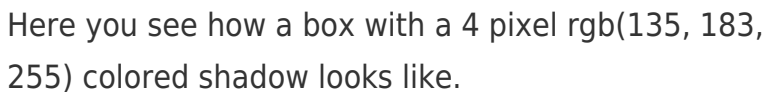
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 183, 255) }
```


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

```
.border{ border-color:rgb(135, 183, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 183, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 183, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 183, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 183,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 44.9752, 46.2379, 101.1621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 183, 255) }
```

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

```
.background{ background-color: rgb(135,  
183, 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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