

Converting Colors

XYZ(49.5636, 47.5615,
136.7964)

Have a look what the booklet for
XYZ(49.5636, 47.5615, 136.7964)
contains.

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Color

**XYZ(42.8040, 44.8135,
101.0016)**

Conversions

Conversions Part 1

Format	Color
Hex	7AB6FF
RGB	122, 182, 255
RGB Percent	48%, 71%, 100%
CMY	0.5215, 0.2863, 0.0000
CMYK	0.52, 0.29, 0.00, 0.00
HSL	213°, 100%, 74%
HSV	213°, 52%, 100%
XYZ	42.8040, 44.8135, 101.0016
YIQ	172.3820, -59.1930, 9.9830

Conversions

Conversions Part 2

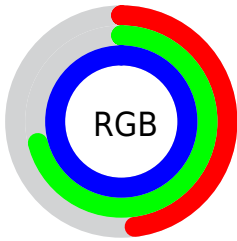
Format	Color
R _Y B	122, 163, 255
Decimal	8042239
CIE Lab	72.77, 0.63, -42.00
CIE LCh	73, 42.008, 270.857
Yxy	44.8135, 0.2269, 0.2376
Android (android.graphics.Color)	4286232319 (0xFF7AB6FF)
YUV	172.3820, 40.7307, -44.1850
Hunter-Lab	66.9429, -3.0152, -42.5951

Details

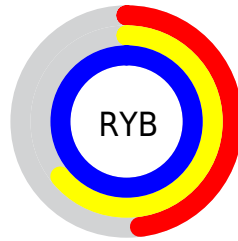
The XYZ color **42.8040, 44.8135, 101.0016** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.2691, 61.6971, 26.9358**, and the grayscale version is **39.2291, 41.2721, 44.9453**.

A 20% lighter version of the original color is **67.6806, 78.1928, 106.1333**, and **19.9068, 20.7384, 56.3798** is the 20% darker color. If you saturate the color by 10%, you get **36.9311, 37.7419, 99.9462**, and if you desaturate by 10%, it is **49.9133, 52.9494, 102.1973**.

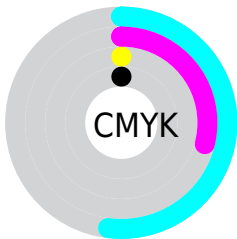
Distribution



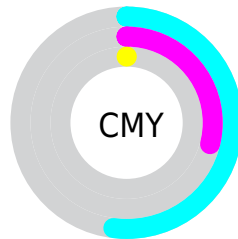
- Red (48%)
- Green (71%)
- Blue (100%)



- Red (48%)
- Yellow (64%)
- Blue (100%)



- Cyan (52%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (52%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8040, 44.8135, 101.0016 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 42.8040, 44.8135, 101.0016 by changing the saturation by 10% instead.

■ 42.8040, 44.8135,
101.0016

■ 42.8040, 44.8135,
101.0016

348.7403,
366.0177, 584.6732

■ 29.9252, 31.3106,
76.5157

■ 78.6726, 82.4405,
164.5968

■ 19.9296, 20.8354,
56.3463

■ 102.3931,
107.3333, 204.5432

■ 12.4519, 13.0038,
40.0748

■ 130.4582,
136.7915, 250.4802

■ 7.1266, 7.4311,
27.2826

163.2332,
171.1996, 302.8264

■ 3.5884, 3.7332,
17.5513

201.0836,
210.9418, 362.0002

■ 1.4720, 1.5254,
10.4622

244.3747,

■ 0.3067, 0.3065,

256.4027, 428.4203

5.5969

293.4718,
307.9665, 502.5051

■ 0.0000, 0.0000,
2.5368

■ 0.0000, 0.0000,
0.8595

■ 42.8040, 44.8135,
101.0016

■ 42.8040, 44.8135,
101.0016

■ 36.9311, 37.7419,
99.9462

■ 49.9133, 52.9494,
102.1973

■ 32.2062, 31.6743,
99.0240

■ 58.3304, 62.1959,
103.5384

■ 28.5347, 26.5496,
98.2284

■ 68.1258, 72.6016,
105.0306

■ 25.8017, 22.2949,
97.5512

■ 79.3635, 84.2105,
106.6791

■ 24.1849, 19.4897,
97.0950

■ 92.1032, 97.0640,
108.4886

95.0500, 100.0000,
108.9000

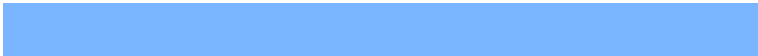
Harmonies

Analogous

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



36.1206, 44.8135, 92.9705



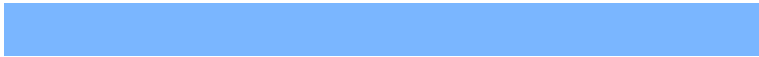
42.8040, 44.8135, 101.0016



50.2020, 44.8135, 92.0502

Triad

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



42.8040, 44.8135, 101.0016



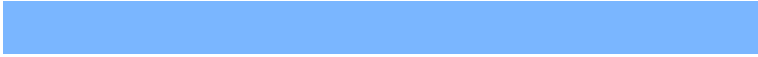
55.8078, 44.8135, 30.9521



31.4783, 44.8135, 31.7267

Complementary

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



42.8040, 44.8135, 101.0016



64.2691, 61.6971, 26.9358

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.



35.7961, 44.8135, 21.7919



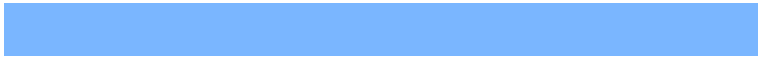
42.8040, 44.8135, 101.0016



49.7977, 44.8135, 21.4428

Square

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



42.8040, 44.8135, 101.0016



58.2175, 44.8135, 48.1960



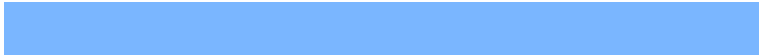
42.3845, 44.8135, 18.6375



30.0500, 44.8135, 49.3975

Rectangle

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



42.8040, 44.8135, 101.0016



54.4271, 44.8135, 78.8053



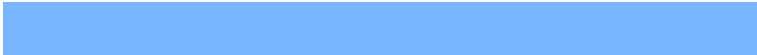
42.3845, 44.8135, 18.6375



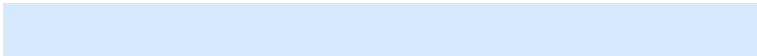
32.6136, 44.8135, 27.5721

Sweetspot

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



42.8054, 44.8150, 101.0018



74.8674, 79.6011, 106.0264



53.4055, 79.5054, 62.9461



15.5288, 16.5258, 22.6213



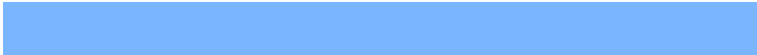
0.0000, 0.0000, 0.0000



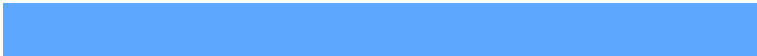
20.3446, 21.4041, 23.3091

Same Dimension

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



42.8054, 44.8150, 101.0018



36.4883, 37.1908, 99.8631



33.6794, 25.6097, 97.7758



17.6778, 18.7273, 22.9329



12.7815, 10.4725, 50.7823



1.3518, 1.2343, 4.9803

Inverse Universe

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



56.6441, 38.5581, 48.7144



52.2326, 32.1113, 39.9185



78.9010, 93.3542, 32.2750



18.3500, 18.1233, 20.4604



23.2397, 11.7852, 9.9127



2.3169, 1.1691, 1.2504

Previews

White Background



This preview shows how the XYZ color 42.8040, 44.8135, 101.0016 looks on a white background.

Color Contrast Check

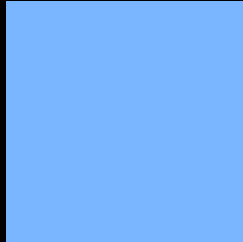
Large Text (above 18pt) WCAG AA × Fail

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 42.8040, 44.8135, 101.0016 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

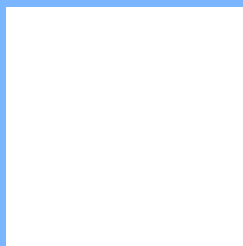
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.8040, 44.8135, 101.0016

Background



This preview shows how black text looks on a background with the XYZ color 42.8040, 44.8135, 101.0016.



This preview shows how white text looks on a background with the XYZ color 42.8040, 44.8135,

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

42.8040, 44.8135, 101.0016

Protanopia

46.1029, 44.5306, 96.6079

Deuteranopia

45.7881, 44.5666, 100.7967



Tritanopia

35.7190, 44.7699, 65.7903

Trichromacy



Original Color

42.8040, 44.8135, 101.0016

Protanomaly

44.8188, 44.7087, 98.3629

Deuteranomaly

44.6179, 44.5498, 100.8551

Tritanomaly

37.9933, 44.7278, 77.1519

Monochromacy



Original Color

42.8040, 44.8135, 101.0016

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

39.5124, 42.1850, 61.9371

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8040, 44.8135, 101.0016 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(122, 182, 255)` looks like.

```
.text, #text, p{  
    color:rgb(122, 182, 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(122, 182, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 182, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.8040, 44.8135, 101.0016 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(122, 182, 255) }
```


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

```
.border{ border-color:rgb(122, 182, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 182, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 182, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 182, 255);  
box-shadow:4px 4px 4px 4px rgb(122, 182,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8040, 44.8135, 101.0016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 182, 255) }
```

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

```
.background{ background-color: rgb(122,  
182, 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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