

Converting Colors

XYZ(42.8042, 46.6191,
101.3501)

Have a look what the booklet for
XYZ(42.8042, 46.6191, 101.3501)
contains.

XYZ(42.8433, 46.6971, 101.3631)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.8433, 46.6971,
101.3631)**

Conversions

Conversions Part 1

Format	Color
Hex	71BCFF
RGB	113, 188, 255
RGB Percent	44%, 74%, 100%
CMY	0.5568, 0.2627, 0.0000
CMYK	0.56, 0.26, 0.00, 0.00
HSL	208°, 100%, 72%
HSV	208°, 56%, 100%
XYZ	42.8433, 46.6971, 101.3631
YIQ	173.2130, -66.2070, 4.9370

Conversions

Conversions Part 2

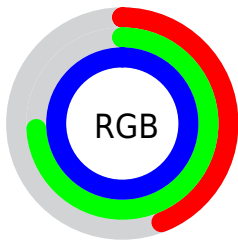
Format	Color
RYB	113, 162, 255
Decimal	7453951
CIELab	74.00, -4.54, -40.12
CIElCh	74, 40.377, 263.541
Yxy	46.6971, 0.2244, 0.2446
Android (android.graphics.Color)	4285644031 (0xFF71BCFF)
YUV	173.2130, 40.3210, -52.8068
Hunter-Lab	68.3353, -7.6749, -40.1114

Details

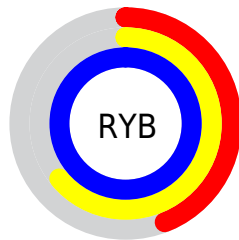
The XYZ color **42.8433, 46.6971, 101.3631** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.5433, 55.0970, 23.0688**, and the grayscale version is **39.6556, 41.7208, 45.4340**.

A 20% lighter version of the original color is **67.6343, 80.8056, 106.6401**, and **19.9392, 21.9631, 56.6145** is the 20% darker color. If you saturate the color by 10%, you get **37.5476, 40.3099, 100.4094**, and if you desaturate by 10%, it is **49.2776, 53.9911, 102.4319**.

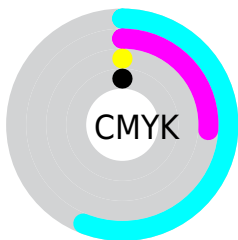
Distribution



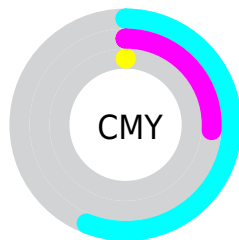
- Red (44%)
- Green (74%)
- Blue (100%)



- Red (44%)
- Yellow (64%)
- Blue (100%)



- Cyan (56%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (56%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8433, 46.6971, 101.3631 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 42.8433, 46.6971, 101.3631 by changing the saturation by 10% instead.

■ 42.8433, 46.6971,
101.3631

■ 42.8433, 46.6971,
101.3631

348.8994,
373.6042, 585.8381

■ 29.9562, 32.7963,
76.8162

■ 78.7315, 85.2613,
165.0973

■ 19.9532, 21.9704,
56.5914

■ 102.4633,
110.6935, 205.1217

■ 12.4691, 13.8352,
40.2701

■ 130.5408,
140.7382, 251.1423

■ 7.1385, 8.0061,
27.4338

163.3291,
175.7799, 303.5778

■ 3.5960, 4.0989,
17.6640

201.1938,
216.2030, 362.8465

■ 1.4762, 1.7290,
10.5421

244.5002,

■ 0.3095, 0.4423,

262.3918, 429.3671

5.6495

293.6136,
314.7307, 503.5581

■ 0.0000, 0.0000,
2.5679

■ 0.0000, 0.0000,
0.8758

■ 42.8433, 46.6971,
101.3631

■ 42.8433, 46.6971,
101.3631

■ 37.5476, 40.3099,
100.4094

■ 49.2776, 53.9911,
102.4319

■ 33.3016, 34.7734,
99.5645

■ 56.9214, 62.2334,
103.6199

■ 30.0085, 30.0305,
98.8226

■ 65.8444, 71.4679,
104.9321

■ 27.5479, 26.0108,
98.1764

■ 76.1094, 81.7340,
106.3726

■ 26.6695, 24.4591,
97.9232

■ 87.7749, 93.0686,
107.9455

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.



36.6471, 46.6971, 89.9169



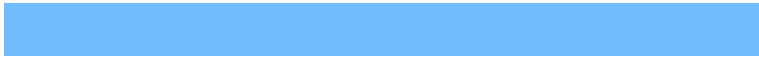
42.8433, 46.6971, 101.3631



50.1531, 46.6971, 96.6059

Triad

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



42.8433, 46.6971, 101.3631



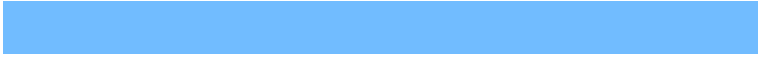
58.3413, 46.6971, 36.5823



34.1443, 46.6971, 30.7173

Complementary

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



42.8433, 46.6971, 101.3631



60.5433, 55.0970, 23.0688

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.



39.0755, 46.6971, 22.4467



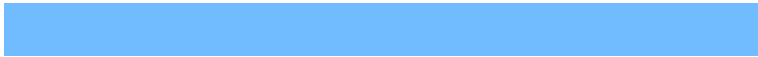
42.8433, 46.6971, 101.3631



53.1401, 46.6971, 25.1363

Square

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



42.8433, 46.6971, 101.3631



59.6292, 46.6971, 55.4423



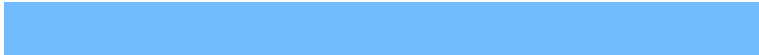
45.9616, 46.6971, 20.7236



31.9879, 46.6971, 46.5096

Rectangle

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



42.8433, 46.6971, 101.3631



54.6326, 46.6971, 85.3863



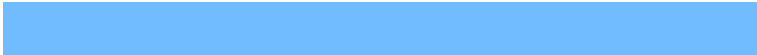
45.9616, 46.6971, 20.7236



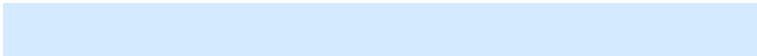
35.5049, 46.6971, 27.1588

Sweetspot

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



42.8448, 46.6987, 101.3633



74.6790, 80.3220, 106.1754



50.7351, 78.2968, 55.2303



15.5272, 16.7387, 22.6625



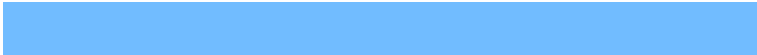
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



42.8448, 46.6987, 101.3633



36.9304, 39.5334, 100.2920



31.3090, 23.6271, 97.5181



17.7972, 18.9660, 22.9727



14.0862, 13.0821, 51.2173



1.4810, 1.4926, 5.0233

Inverse Universe

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



56.2233, 36.7029, 51.6994



52.0997, 30.6950, 43.4209



78.4897, 90.9896, 29.0509



18.4103, 18.1474, 20.7777



23.8983, 12.0486, 13.3807



2.3821, 1.1952, 1.5937

Previews

White Background



This preview shows how the XYZ color 42.8433, 46.6971, 101.3631 looks on a white background.

Color Contrast Check

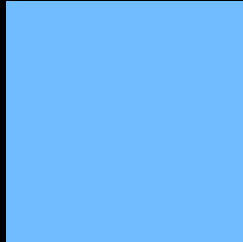
Large Text (above 18pt) WCAG AA × Fail

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 42.8433, 46.6971, 101.3631 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

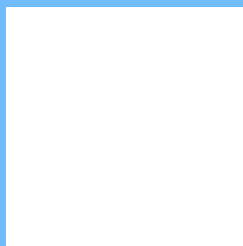
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.8433, 46.6971, 101.3631

Background



This preview shows how black text looks on a background with the XYZ color 42.8433, 46.6971, 101.3631.



This preview shows how white text looks on a background with the XYZ color 42.8433, 46.6971,

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

42.8433, 46.6971, 101.3631

Protanopia

47.7613, 46.5946, 95.2833

Deuteranopia

47.4965, 46.3302, 101.0470



Tritanopia

36.4475, 46.7201, 69.3843

Trichromacy



Original Color

42.8433, 46.6971, 101.3631

Protanomaly

45.6421, 46.3502, 97.8077

Deuteranomaly

45.4254, 46.1649, 101.1243

Tritanomaly

38.5530, 46.5661, 80.3550

Monochromacy



Original Color

42.8433, 46.6971, 101.3631

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.4624, 42.7319, 62.6681

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8433, 46.6971, 101.3631 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(113, 188, 255)` looks like.

```
.text, #text, p{  
    color:rgb(113, 188, 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(113, 188, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 188, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.8433, 46.6971, 101.3631 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(113, 188, 255) }
```


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

```
.border{ border-color:rgb(113, 188, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 188, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 188, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 188, 255);  
box-shadow:4px 4px 4px 4px rgb(113, 188,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8433, 46.6971, 101.3631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 188, 255) }
```

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

```
.background{ background-color: rgb(113,  
188, 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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