

Converting Colors

XYZ(47.4154, 51.6771,
109.5266)

Have a look what the booklet for
XYZ(47.4154, 51.6771, 109.5266)
contains.

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Color

**XYZ(46.0423, 51.2901,
102.0810)**

Conversions

Conversions Part 1

Format	Color
Hex	7AC5FF
RGB	122, 197, 255
RGB Percent	48%, 77%, 100%
CMY	0.5215, 0.2274, 0.0000
CMYK	0.52, 0.23, 0.00, 0.00
HSL	206°, 100%, 74%
HSV	206°, 52%, 100%
XYZ	46.0423, 51.2901, 102.0810
YIQ	181.1870, -63.3180, 2.1380

Conversions

Conversions Part 2

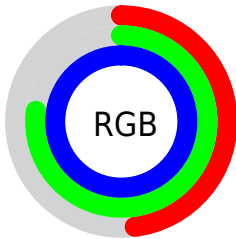
Format	Color
RYB	122, 170, 255
Decimal	8046079
CIELab	76.85, -7.55, -35.65
CIElCh	77, 36.442, 258.042
Yxy	51.2901, 0.2309, 0.2572
Android (android.graphics.Color)	4286236159 (0xFF7AC5FF)
YUV	181.1870, 36.3898, -51.9070
Hunter-Lab	71.6171, -10.5731, -34.3783

Details

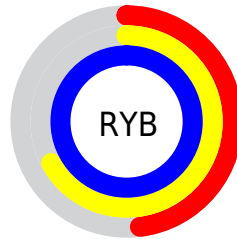
The XYZ color **46.0423, 51.2901, 102.0810** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.0752, 55.3091, 25.8711**, and the grayscale version is **43.8576, 46.1416, 50.2482**.

A 20% lighter version of the original color is **72.5479, 87.9274, 107.7557**, and **21.8191, 24.6519, 57.0344** is the 20% darker color. If you saturate the color by 10%, you get **40.4615, 44.8028, 101.1230**, and if you desaturate by 10%, it is **52.7596, 58.6418, 103.1460**.

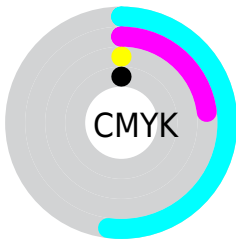
Distribution



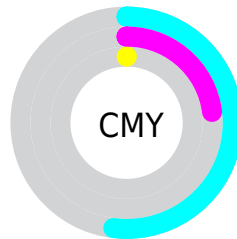
- Red (48%)
- Green (77%)
- Blue (100%)



- Red (48%)
- Yellow (67%)
- Blue (100%)



- Cyan (52%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (52%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0423, 51.2901, 102.0810 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 46.0423, 51.2901, 102.0810 by changing the saturation by 10% instead.

■ 46.0423, 51.2901,
102.0810

■ 46.0423, 51.2901,
102.0810

361.6918,
391.6898, 588.1477

■ 32.4840, 36.4395,
77.4131

■ 83.5098, 92.0834,
166.0908

■ 21.8888, 24.7738,
57.0784

■ 108.1496,
118.7950, 206.2697

■ 13.8913, 15.9086,
40.6584

■ 137.2140,
150.2290, 252.4560

■ 8.1263, 9.4595,
27.7346

171.0683,
186.7699, 305.0683

■ 4.2284, 5.0421,
17.8884

210.0779,
228.8020, 364.5251

■ 1.8321, 2.2720,
10.7013

254.6081,

■ 0.5369, 0.7588,

276.7098, 431.2449

5.7547

305.0243,
330.8776, 505.6462

■ 0.0000, 0.0000,
2.6301

■ 0.0000, 0.0000,
0.9080

■ 46.0423, 51.2901,
102.0810

■ 46.0423, 51.2901,
102.0810

■ 40.4615, 44.8028,
101.1230

■ 52.7596, 58.6418,
103.1460

■ 35.9328, 39.1274,
100.2662

■ 60.6801, 66.8951,
104.3216

■ 32.3661, 34.2125,
99.5055

■ 69.8706, 76.0910,
105.6122

■ 29.6518, 29.9951,
98.8346

■ 80.3912, 86.2658,
107.0216

■ 27.9926, 27.1052,
98.3642

■ 92.2981, 97.4539,
108.5536

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.



40.3775, 51.2901, 89.2777



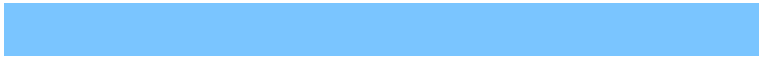
46.0423, 51.2901, 102.0810



52.9913, 51.2901, 100.5229

Triad

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



46.0423, 51.2901, 102.0810



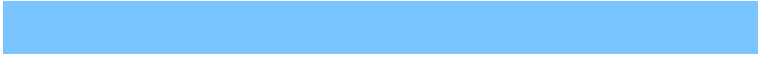
62.5392, 51.2901, 44.8479



39.5026, 51.2901, 34.0319

Complementary

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



46.0423, 51.2901, 102.0810



61.0752, 55.3091, 25.8711

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.



44.7407, 51.2901, 26.8665



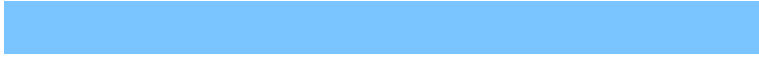
46.0423, 51.2901, 102.0810



58.2059, 51.2901, 32.0159

Square

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



46.0423, 51.2901, 102.0810



62.9720, 51.2901, 64.1267



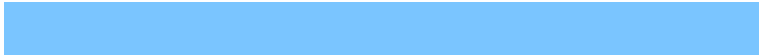
51.5612, 51.2901, 26.2285



36.8483, 51.2901, 48.3111

Rectangle

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



46.0423, 51.2901, 102.0810



57.4248, 51.2901, 91.5879



51.5612, 51.2901, 26.2285



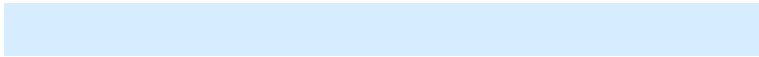
40.9955, 51.2901, 30.8737

Sweetspot

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



46.0439, 51.2919, 102.0813



76.1843, 82.2349, 106.4653



51.9882, 78.9385, 55.4829



15.8424, 17.1528, 22.7258



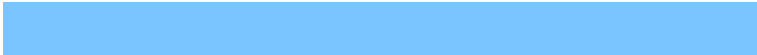
0.0000, 0.0000, 0.0000



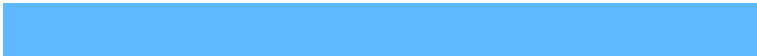
20.3446, 21.4041, 23.3091

Same Dimension

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



46.0439, 51.2919, 102.0813



40.0390, 44.2921, 101.0467



34.1761, 27.5564, 98.1254



17.8530, 19.0776, 22.9913



14.7781, 14.4657, 51.4479



1.5477, 1.6260, 5.0456

Inverse Universe

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



58.2787, 39.2120, 57.3222



54.0248, 32.8281, 49.3561



77.7497, 88.6582, 31.4293



18.4384, 18.1587, 20.9260



24.2475, 12.1883, 15.2196



2.4158, 1.2087, 1.7710

Previews

White Background



This preview shows how the XYZ color 46.0423, 51.2901, 102.0810 looks on a white background.

Color Contrast Check

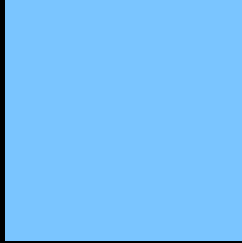
Large Text (above 18pt) WCAG AA × Fail

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 46.0423, 51.2901, 102.0810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

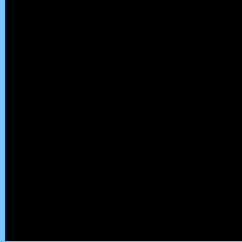
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

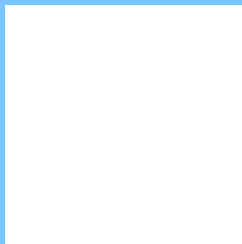
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.0423, 51.2901, 102.0810

Background



This preview shows how black text looks on a background with the XYZ color 46.0423, 51.2901, 102.0810.



This preview shows how white text looks on a background with the XYZ color 46.0423, 51.2901,

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

46.0423, 51.2901, 102.0810

Protanopia

51.5721, 51.0267, 95.1267

Deuteranopia

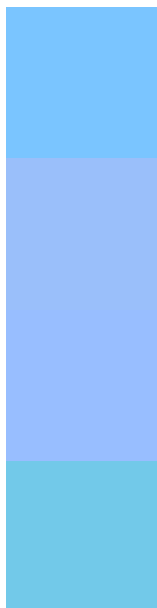
51.9711, 50.7728, 101.6687



Tritanopia

40.7046, 51.1942, 75.4463

Trichromacy



Original Color

46.0423, 51.2901, 102.0810

Protanomaly

49.2125, 51.0338, 97.6992

Deuteranomaly

49.4124, 50.7223, 101.7938

Tritanomaly

42.5341, 51.2339, 84.7381

Monochromacy



Original Color

46.0423, 51.2901, 102.0810

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.6527, 47.5683, 66.5554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0423, 51.2901, 102.0810 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, 197, 255)` looks like.

```
.text, #text, p{  
    color:rgb(122, 197, 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, 197, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 197, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.0423, 51.2901, 102.0810 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, 197, 255) }
```


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

```
.border{ border-color:rgb(122, 197, 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, 197, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 197, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 197, 255);  
box-shadow:4px 4px 4px 4px rgb(122, 197,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0423, 51.2901, 102.0810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 197, 255) }
```

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

```
.background{ background-color: rgb(122,  
197, 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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