

Converting Colors

XYZ(42.2968, 46.2900, 89.9574)

Have a look what the booklet for
XYZ(42.2968, 46.2900, 89.9574)
contains.

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Color

**XYZ(42.3999, 46.4035,
89.9412)**

Conversions

Conversions Part 1

Format	Color
Hex	7FBBF1
RGB	127, 187, 241
RGB Percent	50%, 73%, 95%
CMY	0.5019, 0.2667, 0.0549
CMYK	0.47, 0.22, 0.00, 0.05
HSL	208°, 80%, 72%
HSV	208°, 47%, 95%
XYZ	42.3999, 46.4035, 89.9412
YIQ	175.2160, -53.0940, 4.0740

Conversions

Conversions Part 2

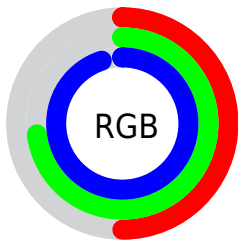
Format	Color
R _Y B	127, 166, 241
Decimal	8371185
CIE Lab	73.81, -5.05, -32.82
CIE LCh	74, 33.204, 261.244
Yxy	46.4035, 0.2372, 0.2596
Android (android.graphics.Color)	4286561265 (0xFF7FBBF1)
YUV	175.2160, 32.4315, -42.2854
Hunter-Lab	68.1201, -8.1067, -30.5984

Details

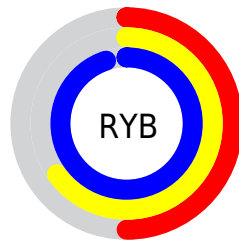
The XYZ color **42.3999, 46.4035, 89.9412** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.6317, 53.2826, 27.3802**, and the grayscale version is **40.7177, 42.8382, 46.6508**.

A 20% lighter version of the original color is **69.8678, 81.5115, 106.6586**, and **19.7363, 21.8182, 49.0701** is the 20% darker color. If you saturate the color by 10%, you get **36.9045, 40.1178, 89.0184**, and if you desaturate by 10%, it is **48.9494, 53.5202, 90.9705**.

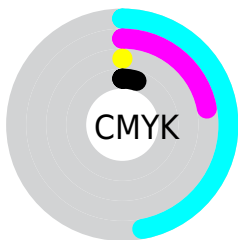
Distribution



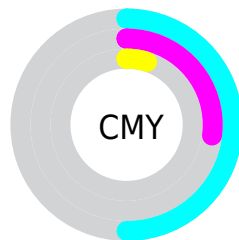
- Red (50%)
- Green (73%)
- Blue (95%)



- Red (50%)
- Yellow (65%)
- Blue (95%)



- Cyan (47%)
- Magenta (22%)
- Yellow (0%)
- Black (5%)



- Cyan (50%)
- Magenta (27%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3999, 46.4035, 89.9412 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 42.3999, 46.4035, 89.9412 by changing the saturation by 10% instead.

■ 42.3999, 46.4035,
89.9412

■ 42.3999, 46.4035,
89.9412

347.1015,
372.4285, 548.4047

■ 29.6070, 32.5643,
67.3584

■ 78.0659, 84.8225,
149.1915

■ 19.6871, 21.7929,
48.9125

■ 101.6697,
110.1712, 186.6962

■ 12.2747, 13.7048,
34.1850

■ 129.6079,
140.1252, 230.0118

■ 7.0046, 7.9157,
22.7572

162.2457,
175.0689, 279.5571

■ 3.5113, 4.0410,
14.2107

199.9487,
215.3867, 335.7505

■ 1.4296, 1.6965,
8.1270

243.0821,

■ 0.2772, 0.4214,

261.4629, 399.0105

4.0874

292.0112,
313.6821, 469.7557

■ 0.0000, 0.0000,
1.6734

■ 0.0000, 0.0000,
0.3424

■ 42.3999, 46.4035,
89.9412

■ 42.3999, 46.4035,
89.9412

■ 36.9045, 40.1178,
89.0184

■ 48.9494, 53.5202,
90.9705

■ 32.3917, 34.6170,
88.1945

■ 56.6085, 61.5003,
92.1072

■ 28.7880, 29.8572,
87.4657

■ 65.4344, 70.3802,
93.3560

■ 26.0056, 25.7861,
86.8266

■ 75.4785, 80.1926,
94.7206

■ 23.9312, 22.3378,
86.2703

■ 86.7892, 90.9681,
96.2043

■ 23.4464, 21.4889,
86.1320

■ 92.8774, 99.1309,
97.4590

Harmonies

Analogous

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



37.3749, 46.4035, 80.3484



42.3999, 46.4035, 89.9412



48.3467, 46.4035, 87.2799

Triad

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



42.3999, 46.4035, 89.9412



55.5518, 46.4035, 39.6392



35.8333, 46.4035, 32.7869

Complementary

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



42.3999, 46.4035, 89.9412



56.6317, 53.2826, 27.3802

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.



40.1192, 46.4035, 25.8816



42.3999, 46.4035, 89.9412



51.5984, 46.4035, 29.1803

Square

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



42.3999, 46.4035, 89.9412



56.3004, 46.4035, 55.6368



45.8555, 46.4035, 24.7276



33.8119, 46.4035, 45.7373

Rectangle

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



42.3999, 46.4035, 89.9412



52.0187, 46.4035, 79.1186



45.8555, 46.4035, 24.7276



37.0378, 46.4035, 29.8141

Sweetspot

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



42.4015, 46.4052, 89.9423



77.9543, 83.5278, 106.6216



48.4678, 70.7273, 54.3859



16.1750, 17.3757, 22.7513



0.0000, 0.0000, 0.0000



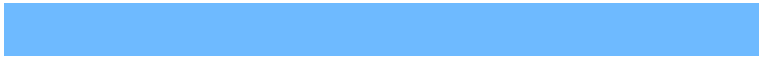
20.3446, 21.4041, 23.3091

Same Dimension

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



42.4015, 46.4052, 89.9423



42.0274, 45.6935, 101.2124



32.7207, 27.0437, 86.7154



15.5858, 16.6058, 20.1054



12.8505, 11.9253, 46.7524



1.1686, 1.1912, 3.9226

Inverse Universe

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



52.8360, 37.4691, 51.4628



55.6571, 35.8880, 50.5315



70.4496, 80.9184, 31.9862



16.1204, 15.8979, 18.1902



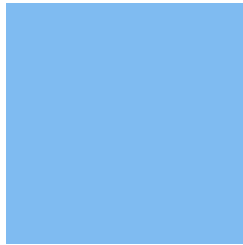
21.8120, 10.9972, 12.1924



1.8648, 0.9350, 1.2790

Previews

White Background



This preview shows how the XYZ color 42.3999, 46.4035, 89.9412 looks on a white background.

Color Contrast Check

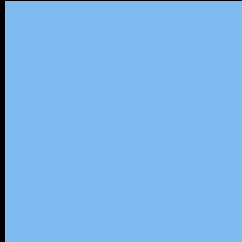
Large Text (above 18pt) WCAG AA × Fail

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 42.3999, 46.4035, 89.9412 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

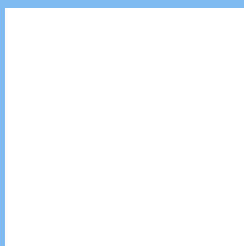
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.3999, 46.4035, 89.9412

Background



This preview shows how black text looks on a background with the XYZ color 42.3999, 46.4035, 89.9412.



This preview shows how white text looks on a background with the XYZ color 42.3999, 46.4035,

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

42.3999, 46.4035, 89.9412

Protanopia

46.8414, 46.3453, 85.0740

Deuteranopia

47.2023, 46.0984, 91.2041



Tritanopia

37.7912, 46.4759, 66.6534

Trichromacy



Original Color

42.3999, 46.4035, 89.9412

Protanomaly

44.9629, 46.2457, 86.6773

Deuteranomaly

45.1286, 45.9426, 90.4937

Tritanomaly

39.4342, 46.4939, 74.6060

Monochromacy



Original Color

42.3999, 46.4035, 89.9412

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

40.5295, 43.6328, 60.3187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3999, 46.4035, 89.9412 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(127, 187, 241)` looks like.

```
.text, #text, p{  
    color:rgb(127, 187, 241)  
}
```

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(127, 187, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 187, 241) }
```

Border

The CSS property to change the border of an element to XYZ 42.3999, 46.4035, 89.9412 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(127, 187, 241) }
```


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

```
.border{ border-color:rgb(127, 187, 241) }
```

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

Here you see how a box with a 4 pixel rgb(127, 187, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 187, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 187, 241);  
box-shadow:4px 4px 4px 4px rgb(127, 187,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3999, 46.4035, 89.9412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 187, 241) }
```

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

```
.background{ background-color: rgb(127,  
187, 241) }
```

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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