

Converting Colors

XYZ(42.7626, 40.7628,
100.2219)

Have a look what the booklet for
XYZ(42.7626, 40.7628, 100.2219)
contains.

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Color

**XYZ(42.7001, 40.7142,
100.2158)**

Conversions

Conversions Part 1

Format	Color
Hex	8BA8FF
RGB	139, 168, 255
RGB Percent	55%, 66%, 100%
CMY	0.4549, 0.3412, 0.0000
CMYK	0.45, 0.34, 0.00, 0.00
HSL	225°, 100%, 77%
HSV	225°, 45%, 100%
XYZ	42.7001, 40.7142, 100.2158
YIQ	169.2470, -45.2110, 20.9090

Conversions

Conversions Part 2

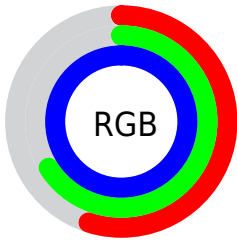
Format	Color
RYB	139, 162, 255
Decimal	9152767
CIELab	69.98, 12.36, -46.31
CIElCh	70, 47.934, 284.942
Yxy	40.7142, 0.2325, 0.2217
Android (android.graphics.Color)	4287342847 (0xFF8BA8FF)
YUV	169.2470, 42.2762, -26.5266
Hunter-Lab	63.8077, 7.7888, -48.4550

Details

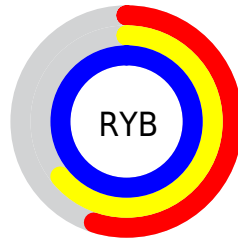
The XYZ color **42.7001, 40.7142, 100.2158** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **73.0978, 77.5186, 35.5381**, and the grayscale version is **37.6489, 39.6095, 43.1348**.

A 20% lighter version of the original color is **67.4636, 71.8657, 104.9235**, and **19.8318, 18.3173, 55.9164** is the 20% darker color. If you saturate the color by 10%, you get **35.6533, 32.2204, 98.9478**, and if you desaturate by 10%, it is **51.2618, 50.7613, 101.7039**.

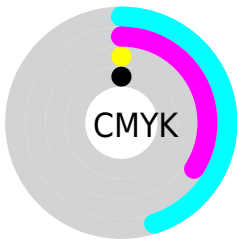
Distribution



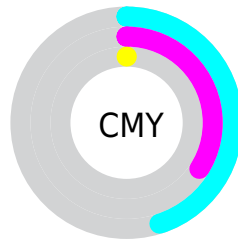
- Red (55%)
- Green (66%)
- Blue (100%)



- Red (55%)
- Yellow (64%)
- Blue (100%)



- Cyan (45%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)



- Cyan (45%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7001, 40.7142, 100.2158 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 42.7001, 40.7142, 100.2158 by changing the saturation by 10% instead.

■ 42.7001, 40.7142,
100.2158

■ 42.7001, 40.7142,
100.2158

348.3194,
349.1247, 582.1369

■ 29.8434, 28.0958,
75.8629

■ 78.5166, 76.2499,
163.5082

■ 19.8672, 18.3979,
55.8141

■ 102.2072, 99.9359,
203.2847

■ 12.4063, 11.2360,
39.6509

130.2397,
128.0800, 249.0395

■ 7.0952, 6.2258,
26.9547

162.9795,
161.0665, 301.1912

■ 3.5685, 2.9829,
17.3071

200.7921,
199.2799, 360.1582

■ 1.4611, 1.1228,
10.2894

244.0427,

■ 0.2991, 0.0000,

243.1044, 426.3592

5.4832

293.0967,
292.9246, 500.2125

■ 0.0000, 0.0000,
2.4698

■ 0.0000, 0.0000,
0.8241

■ 42.7001, 40.7142,
100.2158

■ 42.7001, 40.7142,
100.2158

■ 35.6533, 32.2204,
98.9478

■ 51.2618, 50.7613,
101.7039

■ 30.0247, 25.1943,
97.8883

■ 61.4189, 62.4325,
103.4213

■ 25.7122, 19.5481,
97.0257

■ 73.2506, 75.7990,
105.3777

■ 22.5972, 15.1815,
96.3471

■ 86.8300, 90.9267,
107.5819

■ 20.5365, 11.9781,
95.8374

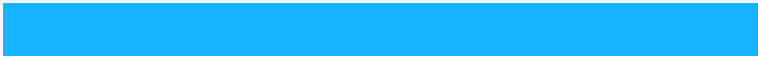
95.0500, 100.0000,
108.9000

■ 19.8691, 10.8583,
95.6564

Harmonies

Analogous

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



34.9262, 40.7142, 100.1773



42.7001, 40.7142, 100.2158



50.3037, 40.7142, 82.2695

Triad

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



42.7001, 40.7142, 100.2158



50.3291, 40.7142, 20.3630



25.9328, 40.7142, 34.0708

Complementary

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



42.7001, 40.7142, 100.2158



73.0978, 77.5186, 35.5381

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.



29.0299, 40.7142, 20.3266



42.7001, 40.7142, 100.2158



42.7312, 40.7142, 14.4202

Square

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



42.7001, 40.7142, 100.2158



55.0948, 40.7142, 34.1409



34.9534, 40.7142, 14.4096



25.9268, 40.7142, 56.3700

Rectangle

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



42.7001, 40.7142, 100.2158



53.9567, 40.7142, 65.1532



34.9534, 40.7142, 14.4096



26.6263, 40.7142, 28.4975

Sweetspot

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



42.7015, 40.7156, 100.2160



75.1590, 77.9371, 105.6898



60.1360, 82.5005, 84.7072



15.4976, 16.0209, 22.5255



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.



42.7015, 40.7156, 100.2160



35.9635, 32.6002, 99.0047



43.4327, 34.0121, 98.8836



17.3719, 18.1154, 22.8310



10.4807, 5.8710, 50.0154



1.1027, 0.7360, 4.8972

Inverse Universe

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



57.5415, 42.5541, 42.2280



52.8320, 35.6604, 32.8729



71.7851, 89.5532, 37.9302



18.1956, 18.0616, 19.6472



22.0784, 11.3206, 3.7972



2.1912, 1.1188, 0.5882

Previews

White Background



This preview shows how the XYZ color 42.7001, 40.7142, 100.2158 looks on a white background.

Color Contrast Check

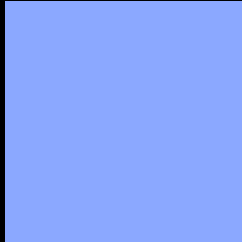
Large Text (above 18pt) WCAG AA × Fail

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 42.7001, 40.7142, 100.2158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

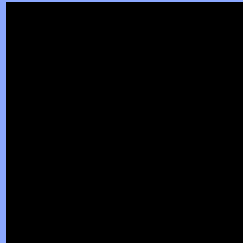
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.7001, 40.7142, 100.2158

Background



This preview shows how black text looks on a background with the XYZ color 42.7001, 40.7142, 100.2158.



This preview shows how white text looks on a background with the XYZ color 42.7001, 40.7142,

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

42.7001, 40.7142, 100.2158

Protanopia

43.0371, 40.8880, 100.2316

Deuteranopia

42.0976, 40.9560, 100.2943



Tritanopia

34.1976, 40.7202, 57.6871

Trichromacy



Original Color

42.7001, 40.7142, 100.2158

Protanomaly

42.8678, 40.8007, 100.2237

Deuteranomaly

42.2296, 40.7468, 100.2469

Tritanomaly

36.9518, 40.6496, 71.5442

Monochromacy



Original Color

42.7001, 40.7142, 100.2158

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

38.7138, 39.8152, 60.2882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7001, 40.7142, 100.2158 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(139, 168, 255)` looks like.

```
.text, #text, p{  
    color:rgb(139, 168, 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(139, 168, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 168, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.7001, 40.7142, 100.2158 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(139, 168, 255) }
```


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

```
.border{ border-color:rgb(139, 168, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 168, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 168, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 168, 255);  
box-shadow:4px 4px 4px 4px rgb(139, 168,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7001, 40.7142, 100.2158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 168, 255) }
```

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

```
.background{ background-color: rgb(139,  
168, 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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