

Converting Colors

XYZ(40.3614, 42.2312, 99.5796)

Have a look what the booklet for
XYZ(40.3614, 42.2312, 99.5796)
contains.

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Color

**XYZ(40.4919, 42.4413,
99.8238)**

Conversions

Conversions Part 1

Format	Color
Hex	70B2FE
RGB	112, 178, 254
RGB Percent	44%, 70%, 100%
CMY	0.5608, 0.3020, 0.0039
CMYK	0.56, 0.30, 0.00, 0.00
HSL	212°, 99%, 72%
HSV	212°, 56%, 100%
XYZ	40.4919, 42.4413, 99.8238
YIQ	166.9300, -63.7320, 9.6440

Conversions

Conversions Part 2

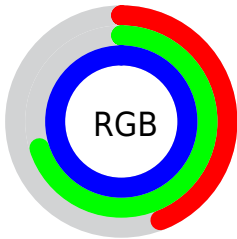
Format	Color
RYB	112, 157, 254
Decimal	7385854
CIELab	71.17, 0.47, -43.99
CIElCh	71, 43.994, 270.617
Yxy	42.4413, 0.2216, 0.2322
Android (android.graphics.Color)	4285575934 (0xFF70B2FE)
YUV	166.9300, 42.9255, -48.1736
Hunter-Lab	65.1470, -3.0611, -45.2463

Details

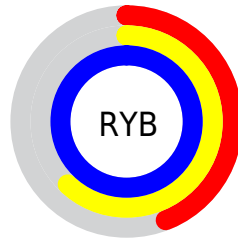
The XYZ color **40.4919, 42.4413, 99.8238** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **61.7829, 58.2099, 23.3106**, and the grayscale version is **36.5180, 38.4198, 41.8392**.

A 20% lighter version of the original color is **64.2022, 74.2685, 105.5592**, and **18.5776, 19.4884, 55.6058** is the 20% darker color. If you saturate the color by 10%, you get **35.1320, 35.8603, 98.8369**, and if you desaturate by 10%, it is **47.0343, 50.0313, 100.9448**.

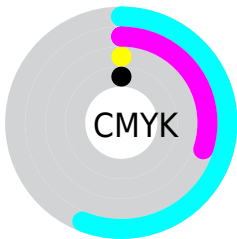
Distribution



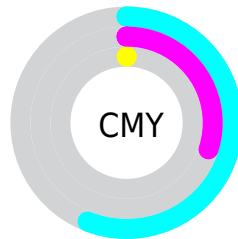
- Red (44%)
- Green (70%)
- Blue (100%)



- Red (44%)
- Yellow (62%)
- Blue (100%)



- Cyan (56%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)





- Cyan (56%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4919, 42.4413, 99.8238 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 40.4919, 42.4413, 99.8238 by changing the saturation by 10% instead.

 40.4919, 42.4413,
99.8238


 40.4919, 42.4413,
99.8238


339.2915,
356.3090, 580.8695

 28.1082, 29.4470,
75.5373


 75.1916, 78.8671,
162.9648

 18.5481, 19.4192,
55.5488


 98.2382, 103.0673,
202.6564

 11.4463, 11.9736,
39.4397


 125.5700,
131.7717, 248.3201

 6.4373, 6.7257,
26.7915

157.5521,
165.3646, 300.3745

 3.1560, 3.2912,
17.1857

194.5499,
204.2304, 359.2381

 1.2368, 1.2856,
10.2036

236.9289,

 0.1351, 0.1300,

248.7534, 425.3294

5.4268

285.0543,
299.3182, 499.0670

■ 0.0000, 0.0000,
2.4367

■ 0.0000, 0.0000,
0.8063

■ 40.4919, 42.4413,
99.8238

■ 40.4919, 42.4413,
99.8238

■ 35.1320, 35.8603,
98.8369

■ 47.0343, 50.0313,
100.9448

■ 30.8633, 30.2276,
97.9746

■ 54.8317, 58.6766,
102.2026

■ 27.5871, 25.4808,
97.2311

■ 63.9556, 68.4254,
103.6034

■ 25.1804, 21.5441,
96.5981

■ 74.4708, 79.3212,
105.1523

■ 24.3743, 20.1253,
96.3667

■ 86.4373, 91.4049,
106.8540

94.8896, 99.9358,
108.0551

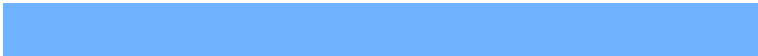
Harmonies

Analogous

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



33.7788, 42.4413, 91.3558



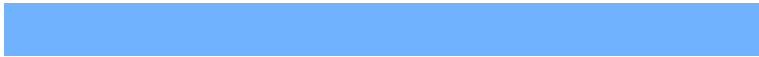
40.4919, 42.4413, 99.8238



47.9943, 42.4413, 90.6695

Triad

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



40.4919, 42.4413, 99.8238



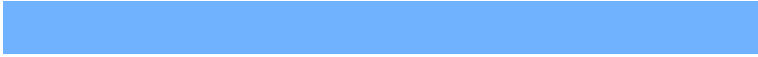
53.8030, 42.4413, 28.4723



29.2095, 42.4413, 29.0237

Complementary

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



40.4919, 42.4413, 99.8238



61.7829, 58.2099, 23.3106

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.



33.5447, 42.4413, 19.3474



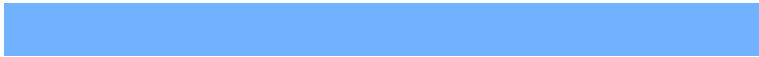
40.4919, 42.4413, 99.8238



47.6983, 42.4413, 19.1039

Square

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



40.4919, 42.4413, 99.8238



56.2311, 42.4413, 45.7759



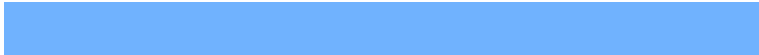
40.1868, 42.4413, 16.3521



27.7649, 42.4413, 46.6496

Rectangle

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



40.4919, 42.4413, 99.8238



52.3118, 42.4413, 77.0373



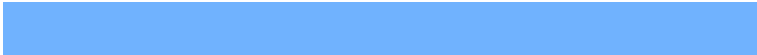
40.1868, 42.4413, 16.3521



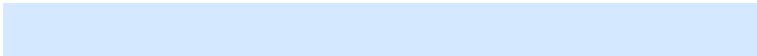
30.3487, 42.4413, 24.9495

Sweetspot

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



40.4934, 42.4428, 99.8248



73.9004, 78.7647, 105.9159



51.1739, 77.9490, 59.7771



15.3435, 16.3714, 22.6012



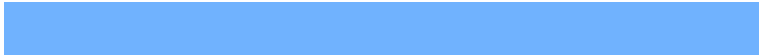
0.0000, 0.0000, 0.0000



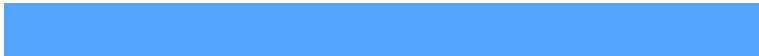
20.3446, 21.4041, 23.3091

Same Dimension

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



40.4934, 42.4428, 99.8248



34.9159, 35.5043, 99.6205



30.9858, 22.5097, 96.4785



17.6989, 18.7694, 22.9400



12.9946, 10.8988, 50.8534



1.3733, 1.2772, 4.9874

Inverse Universe

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



54.7045, 35.8754, 46.1622



51.0829, 30.2883, 38.0664



77.5297, 92.2433, 29.0498



18.3607, 18.1276, 20.5164



23.3473, 11.8282, 10.4792



2.3278, 1.1735, 1.3074

Previews

White Background



This preview shows how the XYZ color 40.4919, 42.4413, 99.8238 looks on a white background.

Color Contrast Check

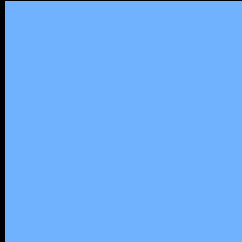
Large Text (above 18pt) WCAG AA × Fail

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 40.4919, 42.4413, 99.8238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

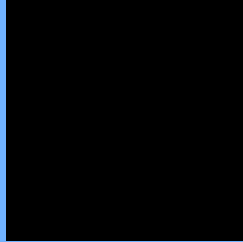
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

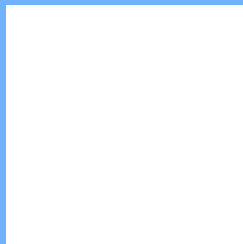
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.4919, 42.4413, 99.8238

Background



This preview shows how black text looks on a background with the XYZ color 40.4919, 42.4413, 99.8238.

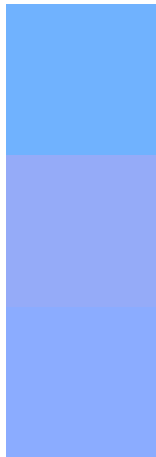


This preview shows how white text looks on a background with the XYZ color 40.4919, 42.4413,

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

40.4919, 42.4413, 99.8238

Protanopia

43.9006, 42.2927, 94.6564

Deuteranopia

43.4500, 42.2140, 100.4658



Tritanopia

33.1763, 42.5535, 62.9650

Trichromacy



Original Color

40.4919, 42.4413, 99.8238

Protanomaly

42.5447, 42.4085, 96.3858

Deuteranomaly

42.2393, 42.1592, 100.5190

Tritanomaly

35.4709, 42.2076, 75.3846

Monochromacy



Original Color

40.4919, 42.4413, 99.8238

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.9043, 39.4524, 59.7028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4919, 42.4413, 99.8238 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(112, 178, 254)` looks like.

```
.text, #text, p{  
    color:rgb(112, 178, 254)  
}
```

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(112, 178, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 178, 254) }
```

Border

The CSS property to change the border of an element to XYZ 40.4919, 42.4413, 99.8238 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(112, 178, 254) }
```


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

```
.border{ border-color:rgb(112, 178, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 178, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 178, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 178, 254);  
box-shadow:4px 4px 4px 4px rgb(112, 178,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4919, 42.4413, 99.8238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 178, 254) }
```

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

```
.background{ background-color: rgb(112,  
178, 254) }
```

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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