

Converting Colors

XYZ(40.2771, 42.3120,
100.6519)

Have a look what the booklet for
XYZ(40.2771, 42.3120, 100.6519)
contains.

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Color

**XYZ(40.2771, 42.3120,
100.6519)**

Conversions

Conversions Part 1

Format	Color
Hex	6DB2FF
RGB	109, 178, 255
RGB Percent	43%, 70%, 100%
CMY	0.5725, 0.3020, 0.0000
CMYK	0.57, 0.30, 0.00, 0.00
HSL	212°, 100%, 71%
HSV	212°, 57%, 100%
XYZ	40.2771, 42.3120, 100.6519
YIQ	166.1470, -65.8410, 9.3190

Conversions

Conversions Part 2

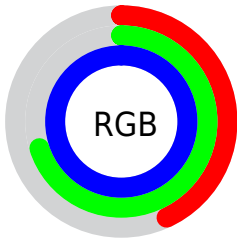
Format	Color
RYB	109, 156, 255
Decimal	7189247
CIELab	71.09, 0.19, -44.68
CIELCh	71, 44.681, 270.243
Yxy	42.3120, 0.2198, 0.2309
Android (android.graphics.Color)	4285379327 (0xFF6DB2FF)
YUV	166.1470, 43.8045, -50.1179
Hunter-Lab	65.0477, -3.3074, -46.2094

Details

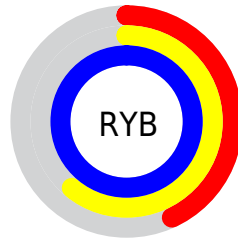
The XYZ color **40.2771, 42.3120, 100.6519** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **61.5608, 57.4844, 22.3212**, and the grayscale version is **36.1358, 38.0177, 41.4012**.

A 20% lighter version of the original color is **63.5511, 73.9328, 105.5287**, and **18.4906, 19.4303, 56.2019** is the 20% darker color. If you saturate the color by 10%, you get **35.0370, 35.8316, 99.6773**, and if you desaturate by 10%, it is **46.6920, 49.7889, 101.7570**.

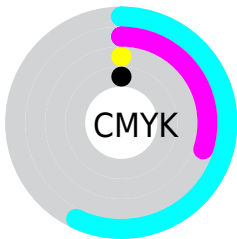
Distribution



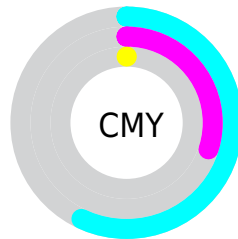
- Red (43%)
- Green (70%)
- Blue (100%)



- Red (43%)
- Yellow (61%)
- Blue (100%)



- Cyan (57%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (57%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2771, 42.3120, 100.6519 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 40.2771, 42.3120, 100.6519 by changing the saturation by 10% instead.

■ 40.2771, 42.3120,
100.6519

■ 40.2771, 42.3120,
100.6519

338.4045,
355.7747, 583.5452

■ 27.9398, 29.3457,
76.2252

■ 74.8669, 78.6716,
164.1124

■ 18.4205, 19.3425,
56.1094

■ 97.8502, 102.8337,
203.9833

■ 11.3538, 11.9180,
39.8861

■ 125.1129,
131.4964, 249.8393

■ 6.3744, 6.6879,
27.1366

157.0203,
165.0443, 302.0990

■ 3.1169, 3.2677,
17.4425

193.9379,
203.8617, 361.1809

■ 1.2159, 1.2730,
10.3852

236.2308,

■ 0.1188, 0.1202,

248.3329, 427.5035

5.5462

284.2646,
298.8425, 501.4855

■ 0.0000, 0.0000,
2.5069

■ 0.0000, 0.0000,
0.8438

■ 40.2771, 42.3120,
100.6519

■ 40.2771, 42.3120,
100.6519

■ 35.0370, 35.8316,
99.6773

■ 46.6920, 49.7889,
101.7570

■ 30.8788, 30.2866,
98.8262

■ 54.3562, 58.3093,
102.9977

■ 27.7007, 25.6135,
98.0917

■ 63.3423, 67.9216,
104.3794

■ 25.3713, 21.7324,
97.4653

■ 73.7160, 78.6696,
105.9073

■ 24.8281, 20.7761,
97.3094

■ 85.5381, 90.5943,
107.5858

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.



33.5013, 42.3120, 91.7943



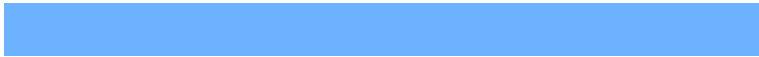
40.2771, 42.3120, 100.6519



47.8917, 42.3120, 91.5189

Triad

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



40.2771, 42.3120, 100.6519



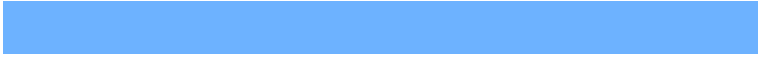
53.9423, 42.3120, 28.3052



28.9929, 42.3120, 28.5237

Complementary

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



40.2771, 42.3120, 100.6519



61.5608, 57.4844, 22.3212

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.



33.4082, 42.3120, 18.8909



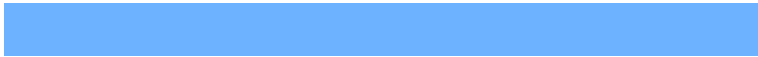
40.2771, 42.3120, 100.6519



47.7735, 42.3120, 18.7950

Square

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



40.2771, 42.3120, 100.6519



56.3544, 42.3120, 45.8967



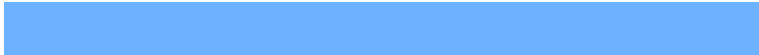
40.1555, 42.3120, 15.9669



27.4970, 42.3120, 46.2449

Rectangle

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



40.2771, 42.3120, 100.6519



52.2975, 42.3120, 77.6976



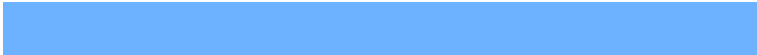
40.1555, 42.3120, 15.9669



30.1556, 42.3120, 24.4554

Sweetspot

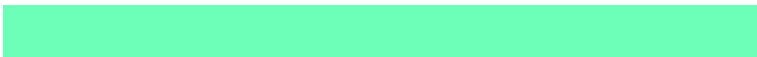
The Sweet Spot groups the original color and five complimentary colors.



40.2785, 42.3134, 100.6521



73.9957, 78.9554, 105.9477



50.7653, 78.2508, 58.0163



15.3660, 16.4163, 22.6087



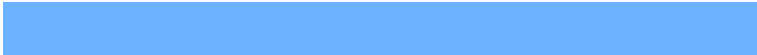
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



40.2785, 42.3134, 100.6521



34.2346, 34.7964, 99.5198



30.1306, 21.5671, 97.1826



17.7110, 18.7935, 22.9440



13.1201, 11.1497, 50.8952



1.3858, 1.3023, 4.9916

Inverse Universe

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



54.7456, 35.4134, 46.0708



50.5792, 29.4750, 37.3002



78.8712, 93.4257, 28.3462



18.3668, 18.1300, 20.5485



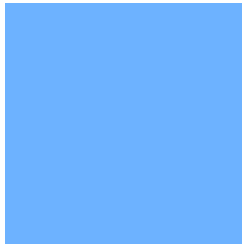
23.4106, 11.8535, 10.8126



2.3341, 1.1760, 1.3408

Previews

White Background



This preview shows how the XYZ color 40.2771, 42.3120, 100.6519 looks on a white background.

Color Contrast Check

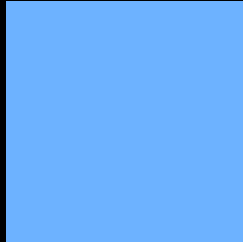
Large Text (above 18pt) WCAG AA × Fail

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 40.2771, 42.3120, 100.6519 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

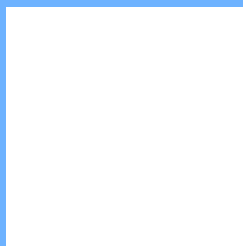
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.2771, 42.3120, 100.6519

Background



This preview shows how black text looks on a background with the XYZ color 40.2771, 42.3120, 100.6519.



This preview shows how white text looks on a background with the XYZ color 40.2771, 42.3120,

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

40.2771, 42.3120, 100.6519

Protanopia

43.6864, 41.8849, 95.4046

Deuteranopia

43.2838, 42.1283, 100.4580



Tritanopia

32.7872, 42.3529, 62.9468

Trichromacy



Original Color

40.2771, 42.3120, 100.6519

Protanomaly

42.1877, 41.9205, 97.1347

Deuteranomaly

41.9384, 42.0041, 100.5050

Tritanomaly

35.1492, 42.0417, 75.3695

Monochromacy



Original Color

40.2771, 42.3120, 100.6519

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.2448, 38.8464, 59.0139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2771, 42.3120, 100.6519 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(109, 178, 255)` looks like.

```
.text, #text, p{  
    color:rgb(109, 178, 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(109, 178, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 178, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.2771, 42.3120, 100.6519 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(109, 178, 255) }
```


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

```
.border{ border-color:rgb(109, 178, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 178, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 178, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 178, 255);  
box-shadow:4px 4px 4px 4px rgb(109, 178,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2771, 42.3120, 100.6519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 178, 255) }
```

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

```
.background{ background-color: rgb(109,  
178, 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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