

Converting Colors

XYZ(40.8681, 41.9055,
100.5423)

Have a look what the booklet for
XYZ(40.8681, 41.9055, 100.5423)
contains.

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Color

**XYZ(40.9115, 42.0526,
100.5684)**

Conversions

Conversions Part 1

Format	Color
Hex	75B0FF
RGB	117, 176, 255
RGB Percent	46%, 69%, 100%
CMY	0.5411, 0.3098, 0.0000
CMYK	0.54, 0.31, 0.00, 0.00
HSL	214°, 100%, 73%
HSV	214°, 54%, 100%
XYZ	40.9115, 42.0526, 100.5684
YIQ	167.3650, -60.5230, 12.0610

Conversions

Conversions Part 2

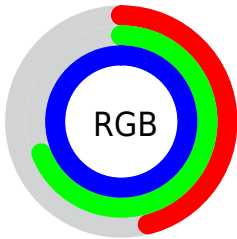
Format	Color
R _Y B	117, 158, 255
Decimal	7713023
CIE Lab	70.91, 2.92, -44.93
CIE LCh	71, 45.029, 273.717
Yxy	42.0526, 0.2229, 0.2291
Android (android.graphics.Color)	4285903103 (0xFF75B0FF)
YUV	167.3650, 43.2041, -44.1701
Hunter-Lab	64.8480, -0.8713, -46.5553

Details

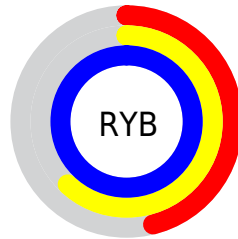
The XYZ color **40.9115, 42.0526, 100.5684** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **64.1923, 62.0265, 25.4208**, and the grayscale version is **36.7270, 38.6396, 42.0786**.

A 20% lighter version of the original color is **64.5304, 73.6019, 105.4132**, and **18.8169, 19.2226, 56.1447** is the 20% darker color. If you saturate the color by 10%, you get **35.2302, 35.1013, 99.5261**, and if you desaturate by 10%, it is **47.8363, 50.1034, 101.7574**.

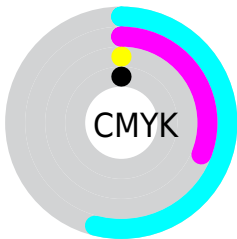
Distribution



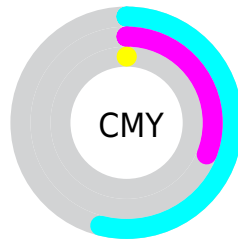
- Red (46%)
- Green (69%)
- Blue (100%)



- Red (46%)
- Yellow (62%)
- Blue (100%)



- Cyan (54%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (54%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9115, 42.0526, 100.5684 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 40.9115, 42.0526, 100.5684 by changing the saturation by 10% instead.

■ 40.9115, 42.0526,
100.5684

■ 40.9115, 42.0526,
100.5684

341.0195,
354.7009, 583.2757

■ 28.4373, 29.1425,
76.1558

■ 75.8251, 78.2792,
163.9968

■ 18.7977, 19.1886,
56.0528

■ 98.9952, 102.3645,
203.8496

■ 11.6273, 11.8067,
39.8410

■ 126.4613,
130.9437, 249.6862

■ 6.5608, 6.6122,
27.1018

158.5888,
164.4011, 301.9252

■ 3.2329, 3.2208,
17.4166

195.7430,
203.1211, 360.9852

■ 1.2781, 1.2480,
10.3668

238.2893,

■ 0.1667, 0.1004,

247.4881, 427.2845

5.5341

286.5930,
297.8866, 501.2419

■ 0.0000, 0.0000,
2.4997

■ 0.0000, 0.0000,
0.8400

■ 40.9115, 42.0526,
100.5684

■ 40.9115, 42.0526,
100.5684

■ 35.2302, 35.1013,
99.5261

■ 47.8363, 50.1034,
101.7574

■ 30.7008, 29.1857,
98.6230

■ 56.0788, 59.3034,
103.0988

■ 27.2244, 24.2404,
97.8517

■ 65.7117, 69.7040,
104.5986

■ 24.6797, 20.1868,
97.2034

■ 76.8009, 81.3519,
106.2624

■ 23.5206, 18.1613,
96.8735

■ 89.4080, 94.2910,
108.0954

95.0500, 100.0000,
108.9000

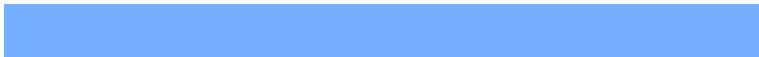
Harmonies

Analogous

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



33.9210, 42.0526, 93.6685



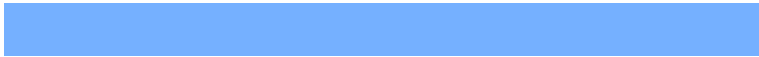
40.9115, 42.0526, 100.5684



48.5164, 42.0526, 89.4216

Triad

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



40.9115, 42.0526, 100.5684



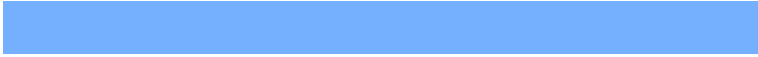
53.1975, 42.0526, 26.4839



28.3890, 42.0526, 29.8339

Complementary

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



40.9115, 42.0526, 100.5684



64.1923, 62.0265, 25.4208

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.



32.4908, 42.0526, 19.3199



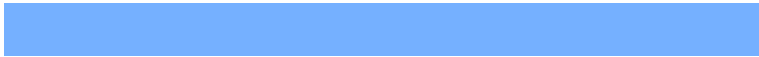
40.9115, 42.0526, 100.5684



46.6979, 42.0526, 17.8531

Square

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



40.9115, 42.0526, 100.5684



56.1473, 42.0526, 43.1637



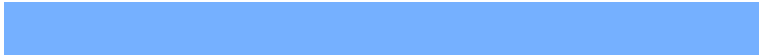
39.0425, 42.0526, 15.7135



27.2428, 42.0526, 48.5168

Rectangle

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



40.9115, 42.0526, 100.5684



52.7508, 42.0526, 74.8178



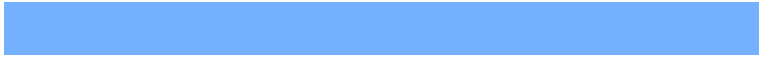
39.0425, 42.0526, 15.7135



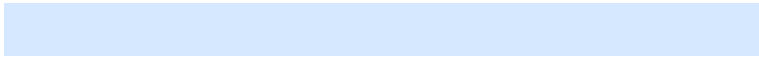
29.4403, 42.0526, 25.4467

Sweetspot

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



40.9129, 42.0540, 100.5686



74.5962, 79.0587, 105.9360



52.9704, 79.2517, 64.2555



15.4644, 16.3970, 22.5998



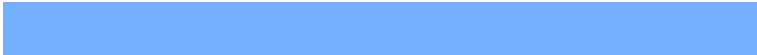
0.0000, 0.0000, 0.0000



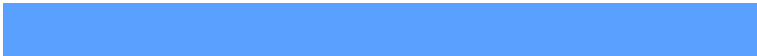
20.3446, 21.4041, 23.3091

Same Dimension

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



40.9129, 42.0540, 100.5686



34.7841, 34.5368, 99.4407



33.0468, 24.3956, 97.5748



17.6415, 18.6546, 22.9208



12.4310, 9.7717, 50.6655



1.3161, 1.1629, 4.9684

Inverse Universe

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



55.4388, 37.1189, 45.3183



51.1882, 30.9884, 36.5926



76.9074, 92.3613, 30.6059



18.3317, 18.1160, 20.3639



23.0628, 11.7144, 8.9812



2.2989, 1.1619, 1.1555

Previews

White Background



This preview shows how the XYZ color 40.9115, 42.0526, 100.5684 looks on a white background.

Color Contrast Check

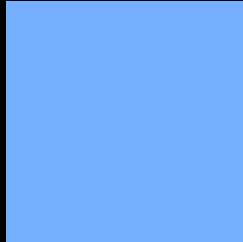
Large Text (above 18pt) WCAG AA × Fail

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 40.9115, 42.0526, 100.5684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

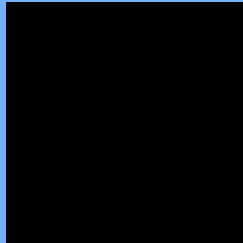
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

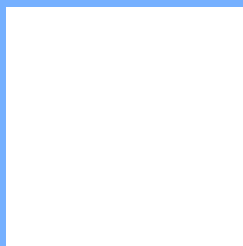
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.9115, 42.0526, 100.5684

Background



This preview shows how black text looks on a background with the XYZ color 40.9115, 42.0526, 100.5684.



This preview shows how white text looks on a background with the XYZ color 40.9115, 42.0526,

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

40.9115, 42.0526, 100.5684

Protanopia

43.6627, 41.8546, 96.2200

Deuteranopia

43.1191, 42.0434, 100.4503



Tritanopia

33.1385, 41.9315, 61.6053

Trichromacy



Original Color

40.9115, 42.0526, 100.5684

Protanomaly

42.4766, 41.7676, 97.9187

Deuteranomaly

42.1995, 41.8530, 100.4620

Tritanomaly

35.6048, 41.6796, 74.5750

Monochromacy



Original Color

40.9115, 42.0526, 100.5684

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.0780, 39.2625, 59.6570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9115, 42.0526, 100.5684 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(117, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(117, 176, 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(117, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 176, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.9115, 42.0526, 100.5684 is called "border". The border property can be set on classes, ids or directly on the HTML element.

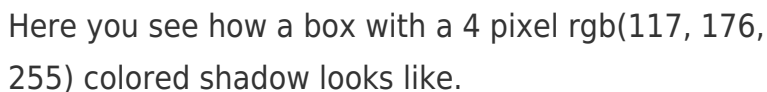
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 176, 255) }
```


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

```
.border{ border-color:rgb(117, 176, 255) }
```

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



Here you see how a box with a 4 pixel rgb(117, 176, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 176, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 176, 255);  
box-shadow:4px 4px 4px 4px rgb(117, 176,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9115, 42.0526, 100.5684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 176, 255) }
```

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

```
.background{ background-color: rgb(117,  
176, 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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