

# Converting Colors

XYZ(41.1001, 42.4783,  
100.6407)

Have a look what the booklet for  
XYZ(41.1001, 42.4783, 100.6407)  
contains.

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# **Color**

**XYZ(41.1083, 42.4462,  
100.6340)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75B1FF
RGB	117, 177, 255
RGB Percent	46%, 69%, 100%
CMY	0.5411, 0.3059, 0.0000
CMYK	0.54, 0.31, 0.00, 0.00
HSL	214°, 100%, 73%
HSV	214°, 54%, 100%
XYZ	41.1083, 42.4462, 100.6340
YIQ	167.9520, -60.7980, 11.5380

# Conversions

## Conversions Part 2

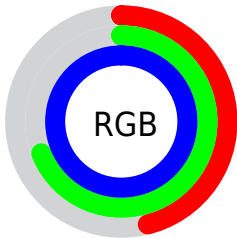
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	117, 159, 255
Decimal	7713279
CIE <sub>Lab</sub>	71.18, 2.36, -44.51
CIE <sub>LCh</sub>	71, 44.573, 273.033
Yxy	42.4462, 0.2232, 0.2304
Android (android.graphics.Color)	4285903359 (0xFF75B1FF)
YUV	167.9520, 42.9147, -44.6849
Hunter-Lab	65.1507, -1.3853, -45.9758

# Details

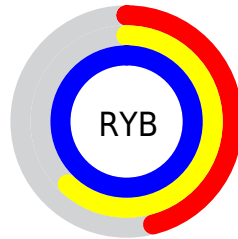
The XYZ color **41.1083, 42.4462, 100.6340** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **63.9674, 61.5768, 25.3459**, and the grayscale version is **37.0149, 38.9426, 42.4085**.

A 20% lighter version of the original color is **64.8111, 74.1633, 105.5068**, and **18.9428, 19.4745, 56.1866** is the 20% darker color. If you saturate the color by 10%, you get **35.4389, 35.5187, 99.5957**, and if you desaturate by 10%, it is **48.0141, 50.4589, 101.8167**.

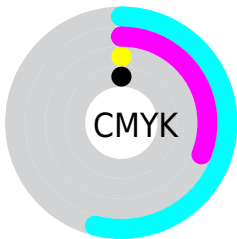
# Distribution



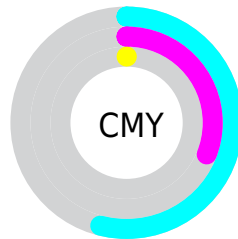
- Red (46%)
- Green (69%)
- Blue (100%)



- 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 41.1083, 42.4462, 100.6340 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 41.1083, 42.4462, 100.6340 by changing the saturation by 10% instead.



■ 41.1083, 42.4462,  
100.6340

■ 41.1083, 42.4462,  
100.6340

341.8279,  
356.3293, 583.4875

■ 28.5918, 29.4508,  
76.2103

■ 76.1219, 78.8745,  
164.0876

■ 18.9149, 19.4221,  
56.0973

■ 99.3497, 103.0762,  
203.9546

■ 11.7125, 11.9757,  
39.8764

■ 126.8787,  
131.7821, 249.8065

■ 6.6190, 6.7271,  
27.1291

159.0741,  
165.3767, 302.0618

■ 3.2692, 3.2920,  
17.4369

196.3014,  
204.2443, 361.1389

■ 1.2977, 1.2860,  
10.3813

238.9259,

■ 0.1815, 0.1304,

248.7694, 427.4566

5.5436

287.3130,  
299.3362, 501.4332

■ 0.0000, 0.0000,  
2.5053

■ 0.0000, 0.0000,  
0.8430

■ 41.1083, 42.4462,  
100.6340

■ 41.1083, 42.4462,  
100.6340

■ 35.4389, 35.5187,  
99.5957

■ 48.0141, 50.4589,  
101.8167

■ 30.9147, 29.6135,  
98.6943

■ 56.2301, 59.6060,  
103.1492

■ 27.4372, 24.6659,  
97.9226

■ 65.8287, 69.9380,  
104.6376

■ 24.8856, 20.5985,  
97.2720

■ 76.8754, 81.5009,  
106.2872

■ 23.7199, 18.5598,  
96.9400

■ 89.4315, 94.3380,  
108.1033

95.0500, 100.0000,  
108.9000

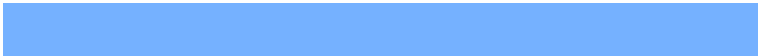
# Harmonies

## Analogous

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



34.1774, 42.4462, 93.4010



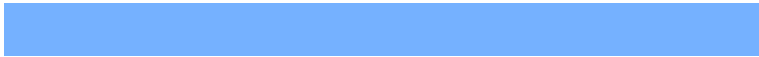
41.1083, 42.4462, 100.6340



48.6869, 42.4462, 89.9663

# Triad

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



41.1083, 42.4462, 100.6340



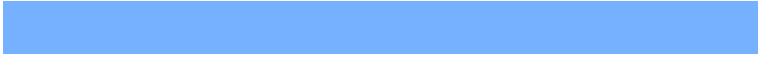
53.6163, 42.4462, 27.2313



28.8534, 42.4462, 29.9666

# Complementary

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



41.1083, 42.4462, 100.6340



63.9674, 61.5768, 25.3459

# 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.



33.0129, 42.4462, 19.6063



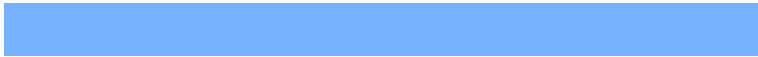
41.1083, 42.4462, 100.6340



47.2106, 42.4462, 18.4034

# Square

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



41.1083, 42.4462, 100.6340



56.4455, 42.4462, 44.0750



39.5889, 42.4462, 16.1167

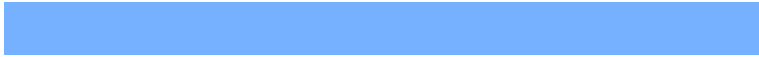


27.6385, 42.4462, 48.4267



# Rectangle

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



41.1083, 42.4462, 100.6340



52.9360, 42.4462, 75.6132



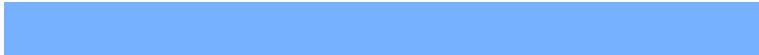
39.5889, 42.4462, 16.1167



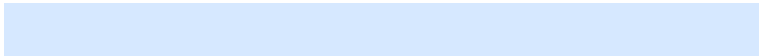
29.9260, 42.4462, 25.6386

# Sweetspot

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



41.1097, 42.4476, 100.6342



74.6793, 79.2250, 105.9637



52.7119, 79.1483, 62.8944



15.4842, 16.4364, 22.6064



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.



41.1097, 42.4476, 100.6342



34.9936, 34.9556, 99.5105



32.7108, 24.2224, 97.5591



17.6526, 18.6769, 22.9246



12.5363, 9.9821, 50.7006



1.3269, 1.1845, 4.9720



# Inverse Universe

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



55.5382, 37.1586, 45.8414



51.2939, 31.0307, 37.1493



77.7183, 92.7793, 30.6438



18.3373, 18.1182, 20.3935



23.1159, 11.7357, 9.2609



2.3044, 1.1641, 1.1842



# Previews

## White Background



This preview shows how the XYZ color 41.1083, 42.4462, 100.6340 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

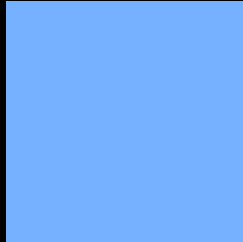
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.1083, 42.4462, 100.6340 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

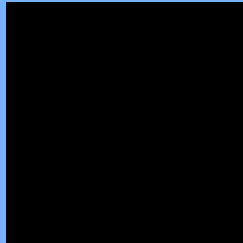
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

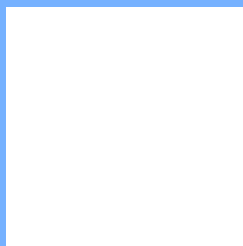
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 41.1083, 42.4462, 100.6340

## Background



This preview shows how black text looks on a background with the XYZ color 41.1083, 42.4462, 100.6340.



This preview shows how white text looks on a background with the XYZ color 41.1083, 42.4462,



# 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

41.1083, 42.4462, 100.6340

### Protanopia

44.0310, 42.3238, 96.2911

### Deuteranopia

43.2838, 42.1283, 100.4580



## Tritanopia

33.4680, 42.4016, 62.2975

# Trichromacy



## Original Color

41.1083, 42.4462, 100.6340

## Protanomaly

42.8308, 42.2338, 97.9900

## Deuteranomaly

42.3920, 42.2379, 100.5262

## Tritanomaly

35.8103, 42.0907, 74.6435

# Monochromacy



## Original Color

41.1083, 42.4462, 100.6340

## Achromatopsia

37.2190, 39.1572, 42.6422

## Achromatomaly

37.3827, 39.6855, 60.3334

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.1083, 42.4462, 100.6340 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, 177, 255)` looks like.

```
.text, #text, p{  
    color:rgb(117, 177, 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, 177, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 177, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 41.1083, 42.4462, 100.6340 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, 177, 255) }
```



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

```
.border{ border-color:rgb(117, 177, 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, 177, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 177, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 177, 255);  
box-shadow:4px 4px 4px 4px rgb(117, 177,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.1083, 42.4462, 100.6340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 177, 255) }
```

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

```
.background{ background-color: rgb(117,  
177, 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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