

Converting Colors

XYZ(42.1701, 41.6097,
100.4166)

Have a look what the booklet for
XYZ(42.1701, 41.6097, 100.4166)
contains.

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Color

**XYZ(42.1626, 41.5503,
100.4056)**

Conversions

Conversions Part 1

Format	Color
Hex	83ACFF
RGB	131, 172, 255
RGB Percent	51%, 67%, 100%
CMY	0.4863, 0.3255, 0.0000
CMYK	0.49, 0.33, 0.00, 0.00
HSL	220°, 100%, 76%
HSV	220°, 49%, 100%
XYZ	42.1626, 41.5503, 100.4056
YIQ	169.2030, -51.0790, 17.1210

Conversions

Conversions Part 2

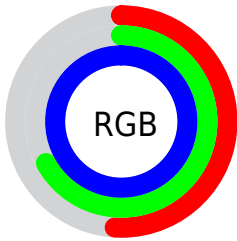
Format	Color
RYB	131, 162, 255
Decimal	8629503
CIELab	70.56, 8.23, -45.43
CIELCh	71, 46.167, 280.264
Yxy	41.5503, 0.2290, 0.2257
Android (android.graphics.Color)	4286819583 (0xFF83ACFF)
YUV	169.2030, 42.2979, -33.5040
Hunter-Lab	64.4595, 3.9517, -47.2316

Details

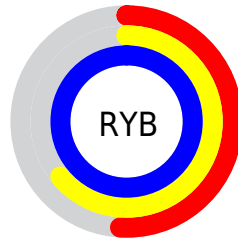
The XYZ color **42.1626, 41.5503, 100.4056** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **69.3846, 70.9937, 31.5210**, and the grayscale version is **37.6291, 39.5888, 43.1122**.

A 20% lighter version of the original color is **66.5054, 72.9770, 105.1885**, and **19.5820, 18.8879, 56.0397** is the 20% darker color. If you saturate the color by 10%, you get **35.6456, 33.6746, 99.2289**, and if you desaturate by 10%, it is **50.0713, 50.7643, 101.7672**.

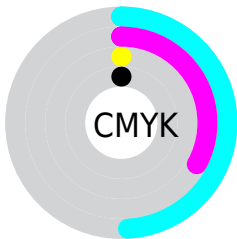
Distribution



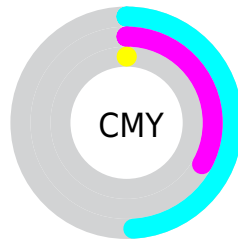
- Red (51%)
- Green (67%)
- Blue (100%)



- Red (51%)
- Yellow (64%)
- Blue (100%)



- Cyan (49%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1626, 41.5503, 100.4056 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 42.1626, 41.5503, 100.4056 by changing the saturation by 10% instead.

■ 42.1626, 41.5503,
100.4056

■ 42.1626, 41.5503,
100.4056

346.1367,
352.6154, 582.7501

■ 29.4203, 28.7493,
76.0205

■ 77.7093, 77.5186,
163.7712

■ 19.5449, 18.8913,
55.9426

■ 101.2444,
101.4547, 203.5888

■ 12.1710, 11.5917,
39.7532

■ 129.1077,
129.8712, 249.3877

■ 6.9333, 6.4663,
27.0339

161.6648,
163.1527, 301.5864

■ 3.4664, 3.1307,
17.3660

199.2809,
201.6835, 360.6034

■ 1.4049, 1.2003,
10.3311

242.3213,

■ 0.2597, 0.0620,

245.8479, 426.8574

5.5105

291.1515,
296.0304, 500.7667

■ 0.0000, 0.0000,
2.4859

■ 0.0000, 0.0000,
0.8327

■ 42.1626, 41.5503,
100.4056

■ 42.1626, 41.5503,
100.4056

■ 35.6456, 33.6746,
99.2289

■ 50.0713, 50.7643,
101.7672

■ 30.4278, 27.0639,
98.2279

■ 59.4478, 61.3759,
103.3212

■ 26.4112, 21.6435,
97.3933

■ 70.3672, 73.4455,
105.0754

■ 23.4797, 17.3271,
96.7147

■ 82.8981, 87.0285,
107.0367

■ 21.4745, 14.0038, 95.0500, 100.0000,
96.1789 108.9000

■ 21.2446, 13.6091,
96.1149

Harmonies

Analogous

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



34.7459, 41.5503, 97.3837



42.1626, 41.5503, 100.4056



49.7452, 41.5503, 85.4362

Triad

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



42.1626, 41.5503, 100.4056



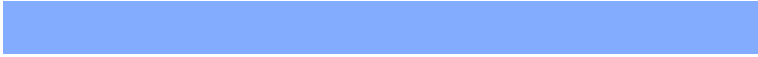
51.7684, 41.5503, 23.1694



27.2382, 41.5503, 32.4931

Complementary

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



42.1626, 41.5503, 100.4056



69.3846, 70.9937, 31.5210

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.



30.7549, 41.5503, 20.1711



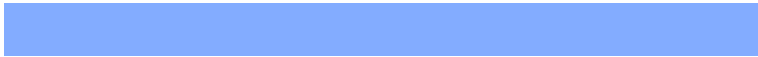
42.1626, 41.5503, 100.4056



44.6524, 41.5503, 16.1123

Square

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



42.1626, 41.5503, 100.4056



55.7453, 41.5503, 38.1647



36.9372, 41.5503, 15.2275



26.7521, 41.5503, 53.1425

Rectangle

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



42.1626, 41.5503, 100.4056



53.6386, 41.5503, 69.4243



36.9372, 41.5503, 15.2275



28.0815, 41.5503, 27.4485

Sweetspot

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



42.1640, 41.5517, 100.4057



74.7202, 78.1919, 105.7621



57.2163, 81.1839, 76.0511



15.4458, 16.1403, 22.5513



0.0000, 0.0000, 0.0000



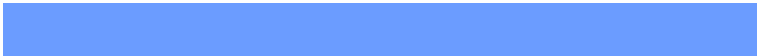
20.3446, 21.4041, 23.3091

Same Dimension

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



42.1640, 41.5517, 100.4057



36.0140, 34.1292, 99.2972



39.0546, 30.0979, 98.3588



17.4936, 18.3587, 22.8715



11.2220, 7.3536, 50.2625



1.1879, 0.9065, 4.9256

Inverse Universe

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



56.8037, 40.4728, 43.8491



52.5089, 34.1966, 35.2859



73.8987, 90.7079, 35.0883



18.2570, 18.0861, 19.9706



22.4525, 11.4703, 5.7675



2.2342, 1.1361, 0.8148

Previews

White Background



This preview shows how the XYZ color 42.1626, 41.5503, 100.4056 looks on a white background.

Color Contrast Check

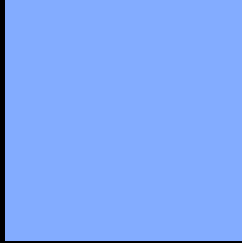
Large Text (above 18pt) WCAG AA × Fail

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 42.1626, 41.5503, 100.4056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

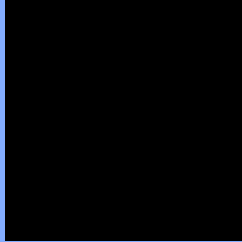
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

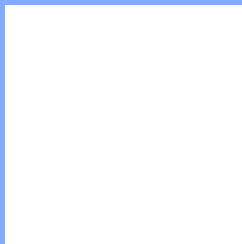
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.1626, 41.5503, 100.4056

Background



This preview shows how black text looks on a background with the XYZ color 42.1626, 41.5503, 100.4056.



This preview shows how white text looks on a background with the XYZ color 42.1626, 41.5503,

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

42.1626, 41.5503, 100.4056

Protanopia

43.4192, 41.3971, 98.6305

Deuteranopia

42.6046, 41.4967, 100.3719



Tritanopia

33.9366, 41.4549, 59.6390

Trichromacy



Original Color

42.1626, 41.5503, 100.4056

Protanomaly

42.9116, 41.3942, 99.4941

Deuteranomaly

42.4444, 41.4142, 100.3644

Tritanomaly

36.6520, 41.3477, 73.0670

Monochromacy



Original Color

42.1626, 41.5503, 100.4056

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

38.3176, 39.8881, 60.3232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1626, 41.5503, 100.4056 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(131, 172, 255)` looks like.

```
.text, #text, p{  
    color:rgb(131, 172, 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(131, 172, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 172, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.1626, 41.5503, 100.4056 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(131, 172, 255) }
```


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

```
.border{ border-color:rgb(131, 172, 255) }
```

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

Here you see how a box with a 4 pixel rgb(131, 172, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 172, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 172, 255);  
box-shadow:4px 4px 4px 4px rgb(131, 172,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1626, 41.5503, 100.4056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 172, 255) }
```

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

```
.background{ background-color: rgb(131,  
172, 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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