

Converting Colors

XYZ(51.9831, 45.3696,
148.8485)

Have a look what the booklet for
XYZ(51.9831, 45.3696, 148.8485)
contains.

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Color

**XYZ(42.7663, 41.5801,
100.3795)**

Conversions

Conversions Part 1

Format	Color
Hex	88ABFF
RGB	136, 171, 255
RGB Percent	53%, 67%, 100%
CMY	0.4666, 0.3294, 0.0000
CMYK	0.47, 0.33, 0.00, 0.00
HSL	222°, 100%, 77%
HSV	222°, 47%, 100%
XYZ	42.7663, 41.5801, 100.3795
YIQ	170.1110, -47.8240, 18.7040

Conversions

Conversions Part 2

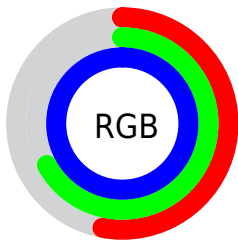
Format	Color
RYB	136, 163, 255
Decimal	8956927
CIELab	70.58, 9.95, -45.38
CIElCh	71, 46.453, 282.367
Yxy	41.5801, 0.2315, 0.2251
Android (android.graphics.Color)	4287147007 (0xFF88ABFF)
YUV	170.1110, 41.8503, -29.9153
Hunter-Lab	64.4826, 5.5405, -47.1583

Details

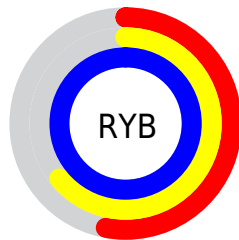
The XYZ color **42.7663, 41.5801, 100.3795** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **71.2783, 74.2256, 33.8648**, and the grayscale version is **38.0802, 40.0633, 43.6289**.

A 20% lighter version of the original color is **67.4945, 73.0820, 105.1566**, and **19.9318, 18.8906, 56.0218** is the 20% darker color. If you saturate the color by 10%, you get **35.9351, 33.3508, 99.1511**, and if you desaturate by 10%, it is **51.0483, 51.2462, 101.8087**.

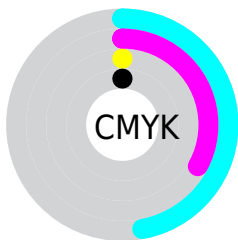
Distribution



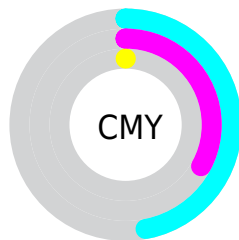
- Red (53%)
- Green (67%)
- Blue (100%)



- Red (53%)
- Yellow (64%)
- Blue (100%)



- Cyan (47%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7663, 41.5801, 100.3795 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 42.7663, 41.5801, 100.3795 by changing the saturation by 10% instead.

■ 42.7663, 41.5801,
100.3795

■ 42.7663, 41.5801,
100.3795

348.5876,
352.7393, 582.6658

■ 29.8955, 28.7726,
75.9989

■ 78.6160, 77.5637,
163.7350

■ 19.9070, 18.9089,
55.9249

■ 102.3256,
101.5087, 203.5470

■ 12.4353, 11.6045,
39.7391

■ 130.3789,
129.9349, 249.3398

■ 7.1152, 6.4750,
27.0230

163.1412,
163.2269, 301.5321

■ 3.5812, 3.1360,
17.3579

200.9779,
201.7689, 360.5422

■ 1.4681, 1.2031,
10.3253

244.2542,

■ 0.3039, 0.0643,

245.9454, 426.7889

5.5068

293.3357,
296.1407, 500.6905

■ 0.0000, 0.0000,
2.4837

■ 0.0000, 0.0000,
0.8315

■ 42.7663, 41.5801,
100.3795

■ 42.7663, 41.5801,
100.3795

■ 35.9351, 33.3508,
99.1511

■ 51.0483, 51.2462,
101.8087

■ 30.4611, 26.4801,
98.1134

■ 60.8585, 62.4127,
103.4470

■ 26.2453, 20.8883,
97.2563

■ 72.2735, 75.1446,
105.3029

■ 23.1719, 16.4842,
96.5682

■ 85.3635, 89.5015,
107.3841

■ 21.0990, 13.1599,
96.0358

95.0500, 100.0000,
108.9000

■ 20.5659, 12.2518,
95.8886

Harmonies

Analogous

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



35.2165, 41.5801, 98.6800



42.7663, 41.5801, 100.3795



50.3231, 41.5801, 84.2318

Triad

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



42.7663, 41.5801, 100.3795



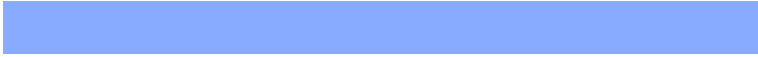
51.4581, 41.5801, 22.3471



27.0585, 41.5801, 33.6393

Complementary

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



42.7663, 41.5801, 100.3795



71.2783, 74.2256, 33.8648

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.



30.3865, 41.5801, 20.6754



42.7663, 41.5801, 100.3795



44.1619, 41.5801, 15.7586

Square

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



42.7663, 41.5801, 100.3795



55.7600, 41.5801, 36.8116



36.4435, 41.5801, 15.2664



26.7868, 41.5801, 54.9422

Rectangle

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



42.7663, 41.5801, 100.3795



54.0900, 41.5801, 67.8426



36.4435, 41.5801, 15.2664



27.8349, 41.5801, 28.3636

Sweetspot

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



42.7677, 41.5815, 100.3797



75.5948, 78.8088, 105.8351



58.7402, 81.8851, 79.9357



15.6028, 16.2313, 22.5606



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.



42.7677, 41.5815, 100.3797



36.3460, 33.8547, 99.2267



41.3131, 32.2833, 98.6616



17.4383, 18.2482, 22.8531



10.8577, 6.6251, 50.1411



1.1470, 0.8246, 4.9120

Inverse Universe

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



57.3959, 41.8103, 43.5745



52.9055, 35.2322, 34.6707



73.2243, 90.3201, 36.8688



18.2291, 18.0750, 19.8237



22.2687, 11.3968, 4.7994



2.2135, 1.1278, 0.7059

Previews

White Background



This preview shows how the XYZ color 42.7663, 41.5801, 100.3795 looks on a white background.

Color Contrast Check

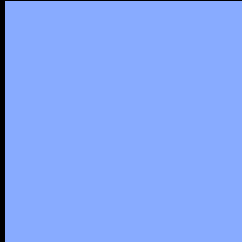
Large Text (above 18pt) WCAG AA × Fail

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 42.7663, 41.5801, 100.3795 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

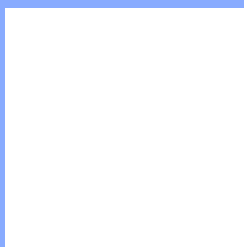
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.7663, 41.5801, 100.3795

Background



This preview shows how black text looks on a background with the XYZ color 42.7663, 41.5801, 100.3795.



This preview shows how white text looks on a background with the XYZ color 42.7663, 41.5801,

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

42.7663, 41.5801, 100.3795

Protanopia

43.5790, 41.4610, 99.4718

Deuteranopia

42.7663, 41.5801, 100.3795



Tritanopia

34.4137, 41.4091, 59.0023

Trichromacy



Original Color

42.7663, 41.5801, 100.3795

Protanomaly

43.2486, 41.5679, 99.5099

Deuteranomaly

42.7663, 41.5801, 100.3795

Tritanomaly

37.0327, 41.2627, 72.3423

Monochromacy



Original Color

42.7663, 41.5801, 100.3795

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

39.0179, 40.2356, 60.9681

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7663, 41.5801, 100.3795 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(136, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(136, 171, 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(136, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 171, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.7663, 41.5801, 100.3795 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(136, 171, 255) }
```


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

```
.border{ border-color:rgb(136, 171, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(136, 171,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7663, 41.5801, 100.3795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 171, 255) }
```

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

```
.background{ background-color: rgb(136,  
171, 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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