

Converting Colors

XYZ(41.9577, 41.3581,
100.3792)

Have a look what the booklet for
XYZ(41.9577, 41.3581, 100.3792)
contains.

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Color

**XYZ(42.0084, 41.4709,
100.3983)**

Conversions

Conversions Part 1

Format	Color
Hex	82ACFF
RGB	130, 172, 255
RGB Percent	51%, 67%, 100%
CMY	0.4902, 0.3255, 0.0000
CMYK	0.49, 0.33, 0.00, 0.00
HSL	220°, 100%, 75%
HSV	220°, 49%, 100%
XYZ	42.0084, 41.4709, 100.3983
YIQ	168.9040, -51.6750, 16.9090

Conversions

Conversions Part 2

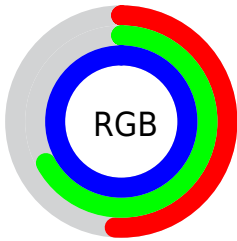
Format	Color
RYB	130, 161, 255
Decimal	8563967
CIELab	70.50, 8.00, -45.52
CIElCh	71, 46.216, 279.967
Yxy	41.4709, 0.2285, 0.2255
Android (android.graphics.Color)	4286754047 (0xFF82ACFF)
YUV	168.9040, 42.4453, -34.1188
Hunter-Lab	64.3979, 3.7438, -47.3564

Details

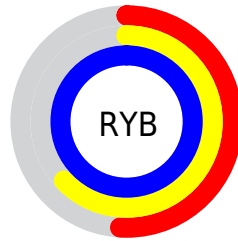
The XYZ color **42.0084, 41.4709, 100.3983** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **69.0645, 70.4616, 31.0813**, and the grayscale version is **37.4812, 39.4331, 42.9426**.

A 20% lighter version of the original color is **66.2581, 72.8495, 105.1769**, and **19.4353, 18.8122, 56.0329** is the 20% darker color. If you saturate the color by 10%, you get **35.5508, 33.6596, 99.2310**, and if you desaturate by 10%, it is **49.8483, 50.6058, 101.7484**.

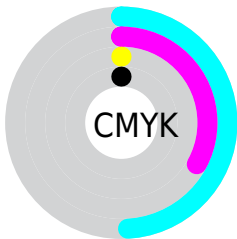
Distribution



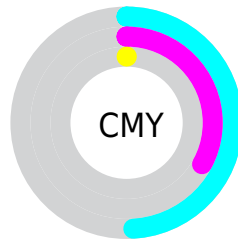
- Red (51%)
- Green (67%)
- Blue (100%)



- Red (51%)
- Yellow (63%)
- 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 42.0084, 41.4709, 100.3983 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 42.0084, 41.4709, 100.3983 by changing the saturation by 10% instead.

■ 42.0084, 41.4709,
100.3983

■ 42.0084, 41.4709,
100.3983

345.5088,
352.2849, 582.7265

■ 29.2990, 28.6872,
76.0145

■ 77.4774, 77.3982,
163.7611

■ 19.4525, 18.8443,
55.9377

■ 100.9678,
101.3107, 203.5771

■ 12.1037, 11.5579,
39.7493

■ 128.7825,
129.7015, 249.3743

■ 6.8870, 6.4434,
27.0308

161.2869,
162.9550, 301.5712

■ 3.4372, 3.1165,
17.3637

198.8464,
201.4558, 360.5863

■ 1.3890, 1.1929,
10.3295

241.8263,

■ 0.2484, 0.0559,

245.5881, 426.8382

5.5095

290.5920,
295.7363, 500.7454

■ 0.0000, 0.0000,
2.4853

■ 0.0000, 0.0000,
0.8323

■ 42.0084, 41.4709,
100.3983

■ 42.0084, 41.4709,
100.3983

■ 35.5508, 33.6596,
99.2310

■ 49.8483, 50.6058,
101.7484

■ 30.3832, 27.0992,
98.2370

■ 59.1466, 61.1230,
103.2883

■ 26.4074, 21.7156,
97.4074

■ 69.9782, 73.0824,
105.0258

■ 23.5070, 17.4228,
96.7317

■ 82.4115, 86.5388,
106.9679

■ 21.5173, 14.1081, 95.0500, 100.0000,
96.1968 108.9000

■ 21.3522, 13.8243,
96.1507

Harmonies

Analogous

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



34.6061, 41.4709, 97.1857



42.0084, 41.4709, 100.3983



49.6010, 41.4709, 85.5711

Triad

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



42.0084, 41.4709, 100.3983



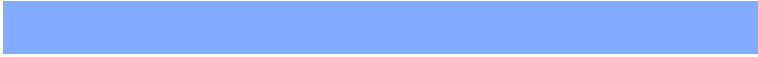
51.7510, 41.4709, 23.2024



27.1881, 41.4709, 32.2476

Complementary

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



42.0084, 41.4709, 100.3983



69.0645, 70.4616, 31.0813

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.



30.7318, 41.4709, 20.0190



42.0084, 41.4709, 100.3983



44.6540, 41.4709, 16.0851

Square

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



42.0084, 41.4709, 100.3983



55.6864, 41.4709, 38.2724



36.9341, 41.4709, 15.1460



26.6718, 41.4709, 52.8164

Rectangle

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



42.0084, 41.4709, 100.3983



53.5161, 41.4709, 69.5906



36.9341, 41.4709, 15.1460



28.0408, 41.4709, 27.2355

Sweetspot

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



42.0098, 41.4723, 100.3985



74.7771, 78.3056, 105.7811



56.7562, 80.9820, 74.4334



15.4594, 16.1675, 22.5558



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.



42.0098, 41.4723, 100.3985



35.5610, 33.6721, 99.2328



38.3830, 29.5532, 98.2891



17.5017, 18.3750, 22.8742



11.2795, 7.4687, 50.2817



1.1943, 0.9192, 4.9278

Inverse Universe

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



56.6700, 40.2053, 43.8047



52.1707, 33.6416, 34.7983



74.4650, 91.0077, 34.7625



18.2611, 18.0878, 19.9923



22.4816, 11.4819, 5.9205



2.2374, 1.1373, 0.8316

Previews

White Background



This preview shows how the XYZ color 42.0084, 41.4709, 100.3983 looks on a white background.

Color Contrast Check

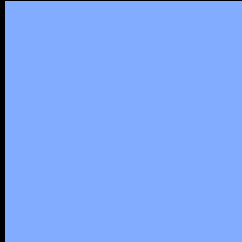
Large Text (above 18pt) WCAG AA × Fail

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 42.0084, 41.4709, 100.3983 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

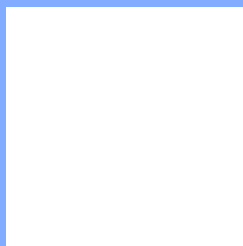
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.0084, 41.4709, 100.3983

Background



This preview shows how black text looks on a background with the XYZ color 42.0084, 41.4709, 100.3983.



This preview shows how white text looks on a background with the XYZ color 42.0084, 41.4709,

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

42.0084, 41.4709, 100.3983

Protanopia

43.4192, 41.3971, 98.6305

Deuteranopia

42.6046, 41.4967, 100.3719



Tritanopia

33.8086, 41.3889, 59.6330

Trichromacy



Original Color

42.0084, 41.4709, 100.3983

Protanomaly

42.9116, 41.3942, 99.4941

Deuteranomaly

42.2858, 41.3324, 100.3570

Tritanomaly

36.5140, 41.2766, 73.0605

Monochromacy



Original Color

42.0084, 41.4709, 100.3983

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 42.0084, 41.4709, 100.3983 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(130, 172, 255)` looks like.

```
.text, #text, p{  
    color:rgb(130, 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(130, 172, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 172, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.0084, 41.4709, 100.3983 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(130, 172, 255) }
```


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

```
.border{ border-color:rgb(130, 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(130, 172, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 172, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 172, 255);  
box-shadow:4px 4px 4px 4px rgb(130, 172,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0084, 41.4709, 100.3983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 172, 255) }
```

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

```
.background{ background-color: rgb(130,  
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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