

Converting Colors

XYZ(41.8613, 40.5771,
100.2336)

Have a look what the booklet for
XYZ(41.8613, 40.5771, 100.2336)
contains.

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Color

**XYZ(41.9108, 40.5825,
100.2320)**

Conversions

Conversions Part 1

Format	Color
Hex	85A9FF
RGB	133, 169, 255
RGB Percent	52%, 66%, 100%
CMY	0.4784, 0.3372, 0.0000
CMYK	0.48, 0.34, 0.00, 0.00
HSL	222°, 100%, 76%
HSV	222°, 48%, 100%
XYZ	41.9108, 40.5825, 100.2320
YIQ	168.0400, -49.0620, 19.1140

Conversions

Conversions Part 2

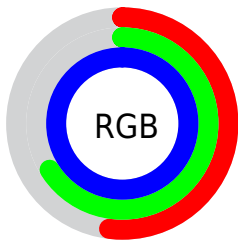
Format	Color
RYB	133, 161, 255
Decimal	8759807
CIELab	69.88, 10.39, -46.48
CIELCh	70, 47.629, 282.594
Yxy	40.5825, 0.2294, 0.2221
Android (android.graphics.Color)	4286949887 (0xFF85A9FF)
YUV	168.0400, 42.8713, -30.7301
Hunter-Lab	63.7044, 5.9516, -48.6933

Details

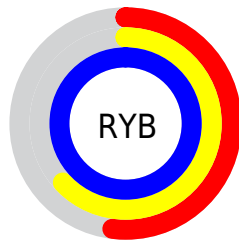
The XYZ color **41.9108, 40.5825, 100.2320** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **70.8062, 73.6180, 32.6700**, and the grayscale version is **37.0539, 38.9835, 42.4531**.

A 20% lighter version of the original color is **66.1915, 71.6077, 104.9407**, and **19.3784, 18.2556, 55.9284** is the 20% darker color. If you saturate the color by 10%, you get **35.2453, 32.5191, 99.0269**, and if you desaturate by 10%, it is **50.0159, 50.0719, 101.6365**.

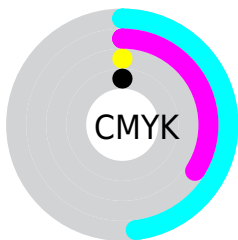
Distribution



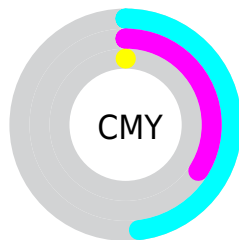
- Red (52%)
- Green (66%)
- Blue (100%)



- Red (52%)
- Yellow (63%)
- Blue (100%)



- Cyan (48%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)



- Cyan (48%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9108, 40.5825, 100.2320 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 41.9108, 40.5825, 100.2320 by changing the saturation by 10% instead.

■ 41.9108, 40.5825,
100.2320

■ 41.9108, 40.5825,
100.2320

345.1110,
348.5726, 582.1893

■ 29.2223, 27.9930,
75.8763

■ 77.3306, 76.0497,
163.5306

■ 19.3941, 18.3204,
55.8251

■ 100.7926, 99.6962,
203.3107

■ 12.0611, 11.1803,
39.6596

■ 128.5764,
127.7972, 249.0693

■ 6.8578, 6.1882,
26.9615

161.0475,
160.7370, 301.2249

■ 3.4189, 2.9599,
17.3121

198.5711,
198.9000, 360.1962

■ 1.3789, 1.1108,
10.2930

241.5127,

■ 0.2412, 0.0000,

242.6707, 426.4017

5.4855

290.2375,
292.4335, 500.2599

■ 0.0000, 0.0000,
2.4712

■ 0.0000, 0.0000,
0.8248

■ 41.9108, 40.5825,
100.2320

■ 41.9108, 40.5825,
100.2320

■ 35.2453, 32.5191,
99.0269

■ 50.0159, 50.0719,
101.6365

■ 29.9247, 25.8032,
98.0111

■ 59.6387, 61.0516,
103.2486

■ 25.8486, 20.3541,
97.1741

■ 70.8565, 73.5868,
105.0769

■ 22.8992, 16.0793,
96.5044

■ 83.7399, 87.7375,
107.1292

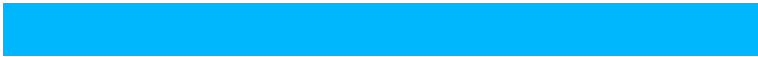
■ 20.9239, 12.8655, 95.0500, 100.0000,
95.9882 108.9000

■ 20.5826, 12.2853,
95.8942

Harmonies

Analogous

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



34.2879, 40.5825, 98.6410



41.9108, 40.5825, 100.2320



49.5521, 40.5825, 83.5972

Triad

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



41.9108, 40.5825, 100.2320



50.6039, 40.5825, 21.1552



26.0384, 40.5825, 32.6202

Complementary

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



41.9108, 40.5825, 100.2320



70.8062, 73.6180, 32.6700

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.



29.3478, 40.5825, 19.6437



41.9108, 40.5825, 100.2320



43.1998, 40.5825, 14.7105

Square

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



41.9108, 40.5825, 100.2320



55.0038, 40.5825, 35.5268



35.4163, 40.5825, 14.2699



25.7902, 40.5825, 54.1523

Rectangle

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



41.9108, 40.5825, 100.2320



53.3574, 40.5825, 66.8634



35.4163, 40.5825, 14.2699



26.8070, 40.5825, 27.3232

Sweetspot

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



41.9121, 40.5839, 100.2322



75.6044, 78.8280, 105.8383



58.1412, 81.5900, 79.2896



15.6051, 16.2359, 22.5613



0.0000, 0.0000, 0.0000



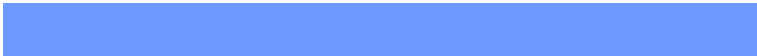
20.3446, 21.4041, 23.3091

Same Dimension

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



41.9121, 40.5839, 100.2322



35.7529, 33.1444, 99.1209



40.4219, 31.2053, 98.5005



17.4398, 18.2511, 22.8536



10.8668, 6.6431, 50.1441



1.1480, 0.8267, 4.9123

Inverse Universe

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



56.7899, 40.9012, 42.4390



52.4900, 34.6212, 33.8538



72.8204, 90.1362, 35.7522



18.2299, 18.0753, 19.8276



22.2732, 11.3986, 4.8233



2.2141, 1.1280, 0.7087

Previews

White Background



This preview shows how the XYZ color 41.9108, 40.5825, 100.2320 looks on a white background.

Color Contrast Check

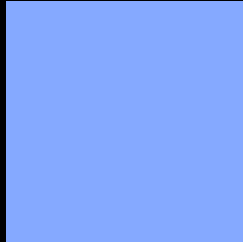
Large Text (above 18pt) WCAG AA × Fail

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 41.9108, 40.5825, 100.2320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

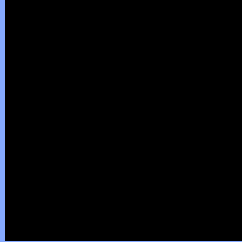
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

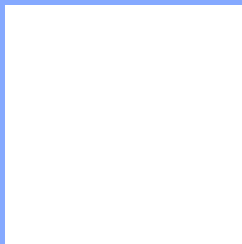
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.9108, 40.5825, 100.2320

Background



This preview shows how black text looks on a background with the XYZ color 41.9108, 40.5825, 100.2320.



This preview shows how white text looks on a background with the XYZ color 41.9108, 40.5825,

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

41.9108, 40.5825, 100.2320

Protanopia

42.6926, 40.4559, 99.3246

Deuteranopia

41.7537, 40.5015, 100.2247



Tritanopia

33.4444, 40.6327, 57.7099

Trichromacy



Original Color

41.9108, 40.5825, 100.2320

Protanomaly

42.3733, 40.5643, 99.3623

Deuteranomaly

41.7537, 40.5015, 100.2247

Tritanomaly

36.2726, 40.5916, 71.5688

Monochromacy



Original Color

41.9108, 40.5825, 100.2320

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.9455, 39.1440, 60.1992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9108, 40.5825, 100.2320 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(133, 169, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 169, 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(133, 169, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 169, 255) }
```

Border

The CSS property to change the border of an element to XYZ 41.9108, 40.5825, 100.2320 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(133, 169, 255) }
```


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

```
.border{ border-color:rgb(133, 169, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 169, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 169, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 169, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 169,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9108, 40.5825, 100.2320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 169, 255) }
```

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

```
.background{ background-color: rgb(133,  
169, 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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