

Converting Colors

XYZ(52.7698, 48.7205,
160.0354)

Have a look what the booklet for
XYZ(52.7698, 48.7205, 160.0354)
contains.

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Color

**XYZ(41.4600, 44.1206,
100.9387)**

Conversions

Conversions Part 1

Format	Color
Hex	70B6FF
RGB	112, 182, 255
RGB Percent	44%, 71%, 100%
CMY	0.5608, 0.2863, 0.0000
CMYK	0.56, 0.29, 0.00, 0.00
HSL	211°, 100%, 72%
HSV	211°, 56%, 100%
XYZ	41.4600, 44.1206, 100.9387
YIQ	169.3920, -65.1530, 7.8630

Conversions

Conversions Part 2

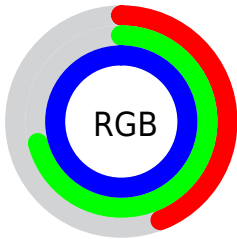
Format	Color
R _Y B	112, 159, 255
Decimal	7386879
CIE Lab	72.31, -1.44, -42.76
CIE LCh	72, 42.780, 268.066
Yxy	44.1206, 0.2223, 0.2365
Android (android.graphics.Color)	4285576959 (0xFF70B6FF)
YUV	169.3920, 42.2047, -50.3328
Hunter-Lab	66.4233, -4.8250, -43.6023

Details

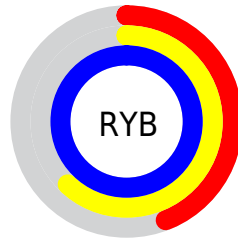
The XYZ color **41.4600, 44.1206, 100.9387** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.5149, 57.1298, 23.1162**, and the grayscale version is **37.7282, 39.6930, 43.2256**.

A 20% lighter version of the original color is **65.6378, 77.1397, 106.0377**, and **19.0820, 20.3132, 56.3412** is the 20% darker color. If you saturate the color by 10%, you get **36.1197, 37.5929, 99.9602**, and if you desaturate by 10%, it is **47.9694, 51.6205, 102.0432**.

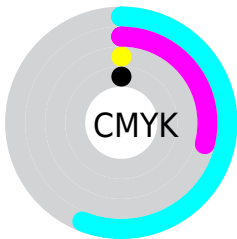
Distribution



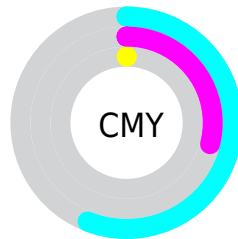
- Red (44%)
- Green (71%)
- Blue (100%)



- Red (44%)
- Yellow (62%)
- Blue (100%)



- Cyan (56%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (56%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4600, 44.1206, 100.9387 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 41.4600, 44.1206, 100.9387 by changing the saturation by 10% instead.

■ 41.4600, 44.1206,
100.9387

■ 41.4600, 44.1206,
100.9387

343.2694,
363.2002, 584.4704

■ 28.8680, 30.7653,
76.4635

■ 76.6520, 81.3992,
164.5097

■ 19.1247, 20.4202,
56.3037

■ 99.9827, 106.0913,
204.4425

■ 11.8650, 12.7009,
40.0408

■ 127.6236,
135.3311, 250.3650

■ 6.7233, 7.2229,
27.2564

159.9401,
169.5031, 302.6956

■ 3.3345, 3.6019,
17.5317

197.2976,
208.9916, 361.8529

■ 1.3330, 1.4535,
10.4484

240.0614,

■ 0.2077, 0.2556,

254.1810, 428.2554

5.5878

288.5969,
305.4557, 502.3218

■ 0.0000, 0.0000,
2.5314

■ 0.0000, 0.0000,
0.8567

■ 41.4600, 44.1206,
100.9387

■ 41.4600, 44.1206,
100.9387

■ 36.1197, 37.5929,
99.9602

■ 47.9694, 51.6205,
102.0432

■ 31.8578, 31.9782,
99.1011

■ 55.7208, 60.1374,
103.2786

■ 28.5753, 27.2160,
98.3549

■ 64.7852, 69.7181,
104.6501

■ 26.1488, 23.2317,
97.7137

■ 75.2272, 80.4045,
106.1625

■ 25.3613, 21.8425,
97.4871

■ 87.1065, 92.2361,
107.8201

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.



34.8923, 44.1206, 91.2508



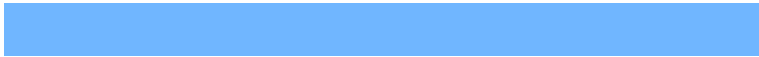
41.4600, 44.1206, 100.9387



48.9456, 44.1206, 93.3626

Triad

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



41.4600, 44.1206, 100.9387



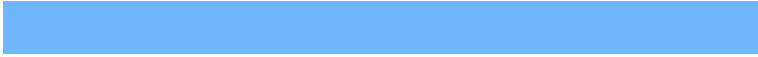
55.6900, 44.1206, 31.3955



31.0441, 44.1206, 29.6467

Complementary

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



41.4600, 44.1206, 100.9387



61.5149, 57.1298, 23.1162

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.



35.6285, 44.1206, 20.4350



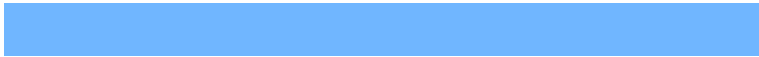
41.4600, 44.1206, 100.9387



49.8675, 44.1206, 21.2176

Square

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



41.4600, 44.1206, 100.9387



57.7131, 44.1206, 49.4192



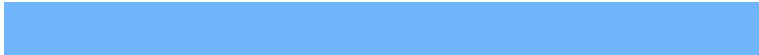
42.4142, 44.1206, 17.8702



29.3320, 44.1206, 46.6863

Rectangle

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



41.4600, 44.1206, 100.9387



53.3576, 44.1206, 80.4996



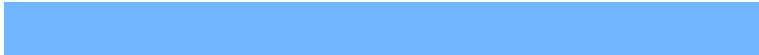
42.4142, 44.1206, 17.8702



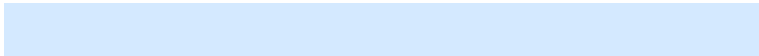
32.2718, 44.1206, 25.7422

Sweetspot

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



41.4614, 44.1221, 100.9389



74.2027, 79.3693, 106.0167



51.0427, 78.4051, 57.5184



15.4148, 16.5139, 22.6250



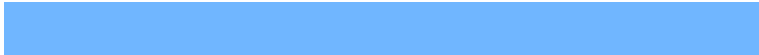
0.0000, 0.0000, 0.0000



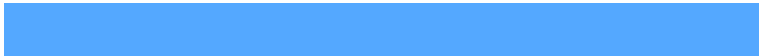
20.3446, 21.4041, 23.3091

Same Dimension

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



41.4614, 44.1221, 100.9389



35.6819, 37.0364, 99.8758



30.5279, 22.2550, 97.2944



17.7371, 18.8459, 22.9527



13.4003, 11.7101, 50.9886



1.4137, 1.3581, 5.0009

Inverse Universe

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



55.4787, 36.2274, 48.3258



51.4695, 30.4430, 40.1025



79.9250, 93.9500, 29.2529



18.3800, 18.1353, 20.6181



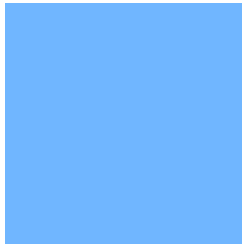
23.5520, 11.9101, 11.5575



2.3482, 1.1816, 1.4149

Previews

White Background



This preview shows how the XYZ color 41.4600, 44.1206, 100.9387 looks on a white background.

Color Contrast Check

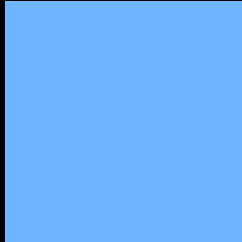
Large Text (above 18pt) WCAG AA × Fail

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 41.4600, 44.1206, 100.9387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

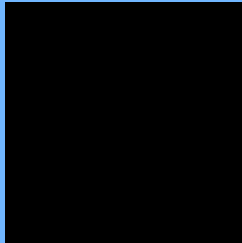
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

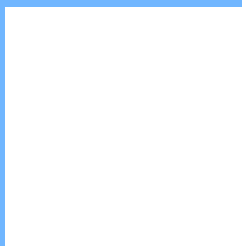
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.4600, 44.1206, 100.9387

Background



This preview shows how black text looks on a background with the XYZ color 41.4600, 44.1206, 100.9387.



This preview shows how white text looks on a background with the XYZ color 41.4600, 44.1206,

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

41.4600, 44.1206, 100.9387

Protanopia

45.2162, 43.8217, 94.8822

Deuteranopia

45.0570, 43.8997, 100.7065



Tritanopia

34.4075, 44.0938, 65.7290

Trichromacy



Original Color

41.4600, 44.1206, 100.9387

Protanomaly

43.6160, 43.8126, 97.4247

Deuteranomaly

43.6433, 44.0473, 100.8095

Tritanomaly

36.6933, 44.0576, 77.0910

Monochromacy



Original Color

41.4600, 44.1206, 100.9387

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.7741, 40.7381, 60.5159

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4600, 44.1206, 100.9387 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(112, 182, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 182, 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(112, 182, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 182, 255) }
```

Border

The CSS property to change the border of an element to XYZ 41.4600, 44.1206, 100.9387 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(112, 182, 255) }
```


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

```
.border{ border-color:rgb(112, 182, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 182, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 182, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 182, 255);  
box-shadow:4px 4px 4px 4px rgb(112, 182,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 41.4600, 44.1206, 100.9387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 182, 255) }
```

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

```
.background{ background-color: rgb(112,  
182, 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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