

Converting Colors

XYZ(41.8132, 44.1562,
100.8036)

Have a look what the booklet for
XYZ(41.8132, 44.1562, 100.8036)
contains.

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Color

**XYZ(41.9804, 44.3889,
100.9631)**

Conversions

Conversions Part 1

Format	Color
Hex	74B6FF
RGB	116, 182, 255
RGB Percent	45%, 71%, 100%
CMY	0.5451, 0.2863, 0.0000
CMYK	0.55, 0.29, 0.00, 0.00
HSL	212°, 100%, 73%
HSV	212°, 55%, 100%
XYZ	41.9804, 44.3889, 100.9631
YIQ	170.5880, -62.7690, 8.7110

Conversions

Conversions Part 2

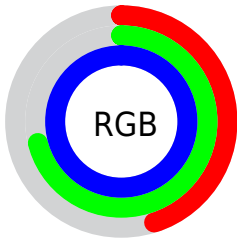
Format	Color
R_{YB}	116, 161, 255
Decimal	7649023
CIE _{Lab}	72.49, -0.63, -42.46
CIE _{LCh}	72, 42.468, 269.145
Yxy	44.3889, 0.2241, 0.2370
Android (android.graphics.Color)	4285839103 (0xFF74B6FF)
YUV	170.5880, 41.6151, -47.8737
Hunter-Lab	66.6250, -4.1209, -43.2102

Details

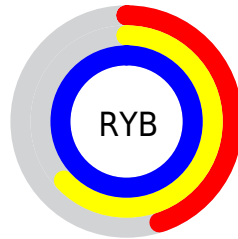
The XYZ color **41.9804, 44.3889, 100.9631** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.5912, 58.9180, 24.5984**, and the grayscale version is **38.3244, 40.3203, 43.9088**.

A 20% lighter version of the original color is **66.5290, 77.5992, 106.0794**, and **19.4085, 20.4815, 56.3565** is the 20% darker color. If you saturate the color by 10%, you get **36.4315, 37.6503, 99.9548**, and if you desaturate by 10%, it is **48.7245, 52.1346, 102.1027**.

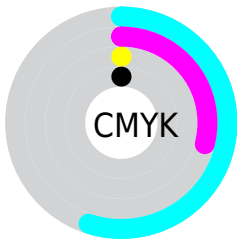
Distribution



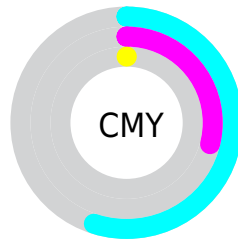
- Red (45%)
- Green (71%)
- Blue (100%)



- Red (45%)
- Yellow (63%)
- Blue (100%)



- Cyan (55%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (55%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9804, 44.3889, 100.9631 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 41.9804, 44.3889, 100.9631 by changing the saturation by 10% instead.

■ 41.9804, 44.3889,
100.9631

■ 41.9804, 44.3889,
100.9631

345.3947,
364.2929, 584.5491

■ 29.2770, 30.9764,
76.4837

■ 77.4353, 81.8026,
164.5435

■ 19.4358, 20.5808,
56.3202

■ 100.9175,
106.5726, 204.4816

■ 12.0915, 12.8180,
40.0540

■ 128.7234,
135.8972, 250.4097

■ 6.8786, 7.3033,
27.2666

161.2182,
170.1608, 302.7463

■ 3.4320, 3.6525,
17.5393

198.7674,
209.7477, 361.9101

■ 1.3861, 1.4811,
10.4537

241.7363,

■ 0.2463, 0.2754,

255.0425, 428.3194

5.5913

290.4903,
306.4294, 502.3929

■ 0.0000, 0.0000,
2.5335

■ 0.0000, 0.0000,
0.8578

■ 41.9804, 44.3889,
100.9631

■ 41.9804, 44.3889,
100.9631

■ 36.4315, 37.6503,
99.9548

■ 48.7245, 52.1346,
102.1027

■ 31.9881, 31.8594,
99.0713

■ 56.7360, 60.9327,
103.3786

■ 28.5531, 26.9555,
98.3058

■ 66.0857, 70.8306,
104.7963

■ 26.0071, 22.8651,
97.6504

■ 76.8377, 81.8709,
106.3606

■ 24.8968, 20.9136,
97.3323

■ 89.0517, 94.0939,
108.0762

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.



35.3674, 44.3889, 91.9200



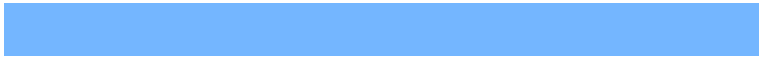
41.9804, 44.3889, 100.9631



49.4328, 44.3889, 92.8475

Triad

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



41.9804, 44.3889, 100.9631



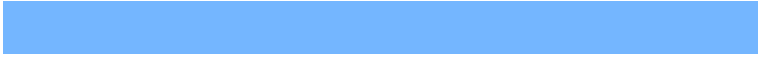
55.7347, 44.3889, 31.2196



31.2116, 44.3889, 30.4467

Complementary

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



41.9804, 44.3889, 100.9631



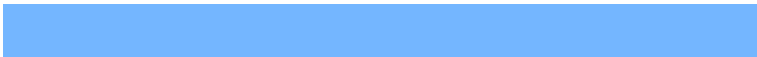
62.5912, 58.9180, 24.5984

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.



35.6922, 44.3889, 20.9566



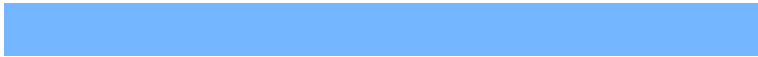
41.9804, 44.3889, 100.9631



49.8387, 44.3889, 21.3035

Square

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



41.9804, 44.3889, 100.9631



57.9087, 44.3889, 48.9367



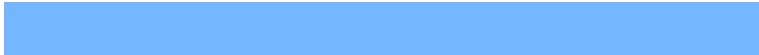
42.4009, 44.3889, 18.1657



29.6096, 44.3889, 47.7323

Rectangle

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



41.9804, 44.3889, 100.9631



53.7727, 44.3889, 79.8333



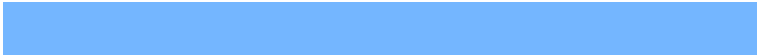
42.4009, 44.3889, 18.1657



32.4034, 44.3889, 26.4456

Sweetspot

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



41.9818, 44.3904, 100.9633



75.1412, 80.1487, 106.1176



52.0210, 78.8565, 59.9542



15.5939, 16.6560, 22.6430



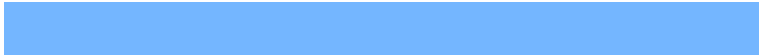
0.0000, 0.0000, 0.0000



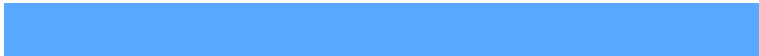
20.3446, 21.4041, 23.3091

Same Dimension

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



41.9818, 44.3904, 100.9633



36.1873, 37.3432, 99.9084



31.8113, 23.5865, 97.4838



17.7144, 18.8004, 22.9451



13.1562, 11.2220, 50.9072



1.3894, 1.3096, 4.9928

Inverse Universe

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



55.9299, 37.1298, 48.4763



51.8965, 31.2717, 40.3224



79.3056, 93.6044, 30.4126



18.3685, 18.1307, 20.5576



23.4288, 11.8608, 10.9087



2.3359, 1.1767, 1.3504

Previews

White Background



This preview shows how the XYZ color 41.9804, 44.3889, 100.9631 looks on a white background.

Color Contrast Check

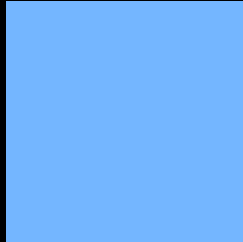
Large Text (above 18pt) WCAG AA × Fail

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 41.9804, 44.3889, 100.9631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

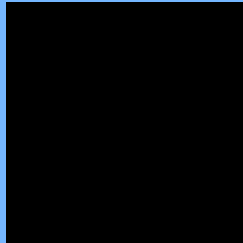
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

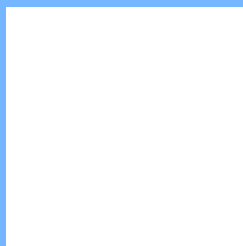
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.9804, 44.3889, 100.9631

Background



This preview shows how black text looks on a background with the XYZ color 41.9804, 44.3889, 100.9631.



This preview shows how white text looks on a background with the XYZ color 41.9804, 44.3889,

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

41.9804, 44.3889, 100.9631

Protanopia

45.5614, 43.9817, 95.7105

Deuteranopia

45.4294, 44.3817, 100.7799



Tritanopia

34.9303, 44.3633, 65.7534

Trichromacy



Original Color

41.9804, 44.3889, 100.9631

Protanomaly

43.9499, 43.9848, 97.4403

Deuteranomaly

43.9621, 44.2117, 100.8244

Tritanomaly

37.2635, 44.3515, 77.1177

Monochromacy



Original Color

41.9804, 44.3889, 100.9631

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.7531, 41.5035, 61.8456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9804, 44.3889, 100.9631 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(116, 182, 255)` looks like.

```
.text, #text, p{  
    color:rgb(116, 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(116, 182, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 182, 255) }
```

Border

The CSS property to change the border of an element to XYZ 41.9804, 44.3889, 100.9631 is called "border". The border property can be set on classes, ids or directly on the HTML element.

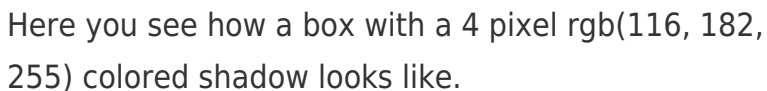
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 182, 255) }
```


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

```
.border{ border-color:rgb(116, 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(116, 182, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 182, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 182, 255); box-shadow:4px 4px 4px 4px rgb(116, 182, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9804, 44.3889, 100.9631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 182, 255) }
```

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

```
.background{ background-color: rgb(116,  
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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