

Converting Colors

XYZ(42.2448, 44.6590,
101.0013)

Have a look what the booklet for
XYZ(42.2448, 44.6590, 101.0013)
contains.

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Color

**XYZ(42.1141, 44.4578,
100.9693)**

Conversions

Conversions Part 1

Format	Color
Hex	75B6FF
RGB	117, 182, 255
RGB Percent	46%, 71%, 100%
CMY	0.5411, 0.2863, 0.0000
CMYK	0.54, 0.29, 0.00, 0.00
HSL	212°, 100%, 73%
HSV	212°, 54%, 100%
XYZ	42.1141, 44.4578, 100.9693
YIQ	170.8870, -62.1730, 8.9230

Conversions

Conversions Part 2

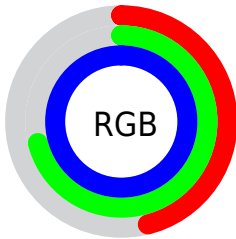
Format	Color
RYB	117, 161, 255
Decimal	7714559
CIELab	72.53, -0.43, -42.39
CIELCh	73, 42.391, 269.423
Yxy	44.4578, 0.2246, 0.2371
Android (android.graphics.Color)	4285904639 (0xFF75B6FF)
YUV	170.8870, 41.4677, -47.2589
Hunter-Lab	66.6767, -3.9406, -43.1099

Details

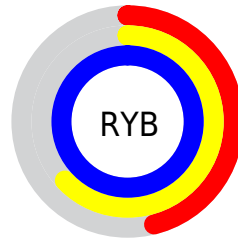
The XYZ color **42.1141, 44.4578, 100.9693** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.8657, 59.3734, 24.9786**, and the grayscale version is **38.4744, 40.4781, 44.0806**.

A 20% lighter version of the original color is **66.5290, 77.5992, 106.0794**, and **19.4595, 20.5078, 56.3589** is the 20% darker color. If you saturate the color by 10%, you get **36.5121, 37.6651, 99.9534**, and if you desaturate by 10%, it is **48.9180, 52.2667, 102.1180**.

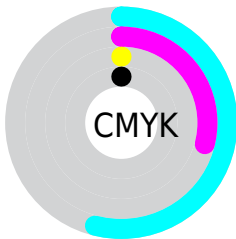
Distribution



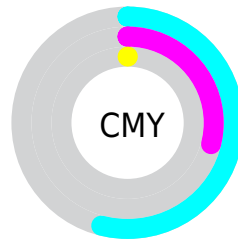
- Red (46%)
- Green (71%)
- Blue (100%)



- Red (46%)
- Yellow (63%)
- Blue (100%)



- Cyan (54%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (54%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1141, 44.4578, 100.9693 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 42.1141, 44.4578, 100.9693 by changing the saturation by 10% instead.

■ 42.1141, 44.4578,
100.9693

■ 42.1141, 44.4578,
100.9693

345.9393,
364.5732, 584.5691

■ 29.3821, 31.0306,
76.4889

■ 77.6364, 81.9062,
164.5521

■ 19.5158, 20.6221,
56.3244

■ 101.1574,
106.6961, 204.4915

■ 12.1498, 12.8481,
40.0574

■ 129.0055,
136.0424, 250.4210

■ 6.9187, 7.3240,
27.2691

161.5460,
170.3295, 302.7592

■ 3.4572, 3.6656,
17.5412

199.1442,
209.9417, 361.9246

■ 1.3999, 1.4883,
10.4551

242.1657,

■ 0.2562, 0.2805,

255.2635, 428.3356

5.5922

290.9756,
306.6791, 502.4110

■ 0.0000, 0.0000,
2.5340

■ 0.0000, 0.0000,
0.8581

■ 42.1141, 44.4578,
100.9693

■ 42.1141, 44.4578,
100.9693

■ 36.5121, 37.6651,
99.9534

■ 48.9180, 52.2667,
102.1180

■ 32.0225, 31.8291,
99.0636

■ 56.9958, 61.1373,
103.4044

■ 28.5488, 26.8891,
98.2932

■ 66.4182, 71.1171,
104.8341

■ 25.9722, 22.7717,
97.6342

■ 77.2494, 82.2490,
106.4119

■ 24.7793, 20.6786,
97.2931

■ 89.5491, 94.5734,
108.1425

95.0500, 100.0000,
108.9000

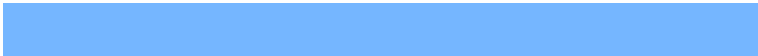
Harmonies

Analogous

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



35.4896, 44.4578, 92.0913



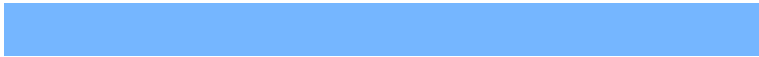
42.1141, 44.4578, 100.9693



49.5578, 44.4578, 92.7165

Triad

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



42.1141, 44.4578, 100.9693



55.7463, 44.4578, 31.1752



31.2547, 44.4578, 30.6533

Complementary

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



42.1141, 44.4578, 100.9693



62.8657, 59.3734, 24.9786

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.



35.7088, 44.4578, 21.0914



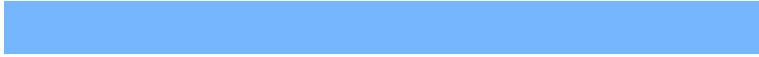
42.1141, 44.4578, 100.9693



49.8316, 44.4578, 21.3258

Square

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



42.1141, 44.4578, 100.9693



57.9589, 44.4578, 48.8144



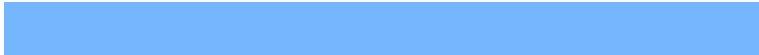
42.3978, 44.4578, 18.2419



29.6809, 44.4578, 48.0018

Rectangle

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



42.1141, 44.4578, 100.9693



53.8791, 44.4578, 79.6641



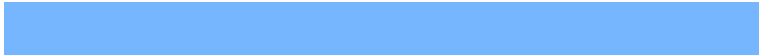
42.3978, 44.4578, 18.2419



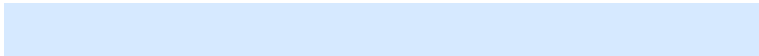
32.4373, 44.4578, 26.6274

Sweetspot

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



42.1155, 44.4593, 100.9695



75.0971, 80.0605, 106.1029



52.2069, 78.9463, 60.2352



15.5834, 16.6350, 22.6395



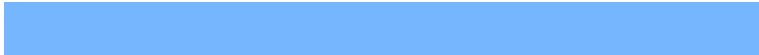
0.0000, 0.0000, 0.0000



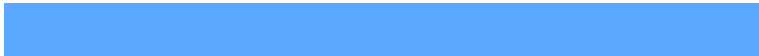
20.3446, 21.4041, 23.3091

Same Dimension

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



42.1155, 44.4593, 100.9695



36.0711, 37.1108, 99.8697



32.0620, 23.8879, 97.5287



17.7085, 18.7886, 22.9432



13.0944, 11.0984, 50.8866



1.3833, 1.2972, 4.9908

Inverse Universe

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



56.0459, 37.3617, 48.5149



51.8378, 31.2483, 40.0135



79.3702, 93.6309, 30.7211



18.3655, 18.1295, 20.5420



23.3977, 11.8484, 10.7445



2.3328, 1.1755, 1.3340

Previews

White Background



This preview shows how the XYZ color 42.1141, 44.4578, 100.9693 looks on a white background.

Color Contrast Check

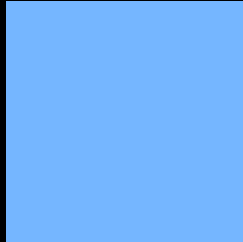
Large Text (above 18pt) WCAG AA × Fail

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 42.1141, 44.4578, 100.9693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

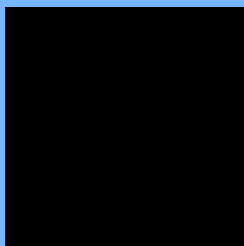
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

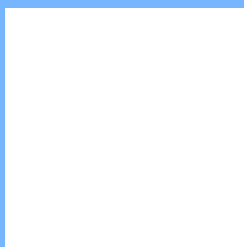
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.1141, 44.4578, 100.9693

Background



This preview shows how black text looks on a background with the XYZ color 42.1141, 44.4578, 100.9693.



This preview shows how white text looks on a background with the XYZ color 42.1141, 44.4578,

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

42.1141, 44.4578, 100.9693

Protanopia

45.7553, 44.3695, 95.7751

Deuteranopia

45.4294, 44.3817, 100.7799



Tritanopia

35.0389, 44.4192, 65.7585

Trichromacy



Original Color

42.1141, 44.4578, 100.9693

Protanomaly

44.3175, 44.4685, 97.5143

Deuteranomaly

43.9621, 44.2117, 100.8244

Tritanomaly

37.3816, 44.4124, 77.1232

Monochromacy



Original Color

42.1141, 44.4578, 100.9693

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 42.1141, 44.4578, 100.9693 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(117, 182, 255)` looks like.

```
.text, #text, p{  
    color:rgb(117, 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(117, 182, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 182, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.1141, 44.4578, 100.9693 is called "border". The border property can be set on classes, ids or directly on the HTML element.

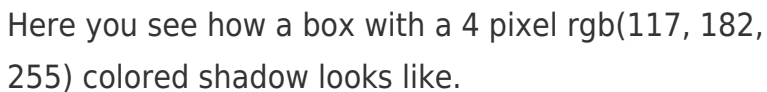
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 182, 255) }
```


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

```
.border{ border-color:rgb(117, 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(117, 182, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 182, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 182, 255);  
box-shadow:4px 4px 4px 4px rgb(117, 182,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1141, 44.4578, 100.9693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 182, 255) }
```

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

```
.background{ background-color: rgb(117,  
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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