

Converting Colors

XYZ(42.5234, 44.5044,
100.9567)

Have a look what the booklet for
XYZ(42.5234, 44.5044, 100.9567)
contains.

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Color

**XYZ(42.4590, 44.3327,
100.9270)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 79B5FF |
| RGB | 121, 181, 255 |
| RGB Percent | 47%, 71%, 100% |
| CMY | 0.5255, 0.2902, 0.0000 |
| CMYK | 0.53, 0.29, 0.00, 0.00 |
| HSL | 213°, 100%, 74% |
| HSV | 213°, 53%, 100% |
| XYZ | 42.4590, 44.3327, 100.9270 |
| YIQ | 171.4960, -59.5140, 10.2940 |

Conversions

Conversions Part 2

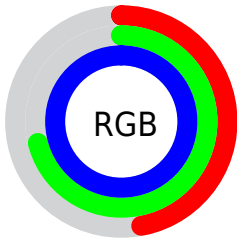
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 121, 162, 255 |
| Decimal | 7976447 |
| CIE Lab | 72.45, 0.97, -42.50 |
| CIE LCh | 72, 42.516, 271.306 |
| Yxy | 44.3327, 0.2262, 0.2362 |
| Android (android.graphics.Color) | 4286166527 (0xFF79B5FF) |
| YUV | 171.4960, 41.1675, -44.2850 |
| Hunter-Lab | 66.5828, -2.6928, -43.2645 |

Details

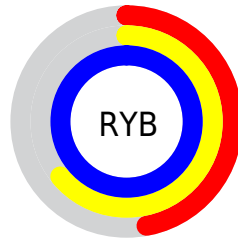
The XYZ color **42.4590, 44.3327, 100.9270** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.2074, 61.6723, 26.6109**, and the grayscale version is **38.7802, 40.7998, 44.4310**.

A 20% lighter version of the original color is **67.1566, 77.4917, 106.0256**, and **19.7882, 20.6773, 56.3742** is the 20% darker color. If you saturate the color by 10%, you get **36.6262, 37.2884, 99.8747**, and if you desaturate by 10%, it is **49.5284, 52.4457, 102.1204**.

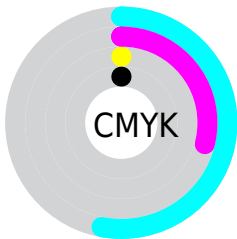
Distribution



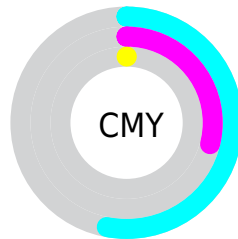
- Red (47%)
- Green (71%)
- Blue (100%)



- Red (47%)
- Yellow (64%)
- Blue (100%)



- Cyan (53%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (53%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4590, 44.3327, 100.9270 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 42.4590, 44.3327, 100.9270 by changing the saturation by 10% instead.

■ 42.4590, 44.3327,
100.9270

■ 42.4590, 44.3327,
100.9270

347.3415,
364.0642, 584.4327

■ 29.6535, 30.9321,
76.4537

■ 78.1546, 81.7181,
164.4935

■ 19.7225, 20.5472,
56.2958

■ 101.7755,
106.4718, 204.4238

■ 12.3006, 12.7934,
40.0345

■ 129.7323,
135.7787, 250.3435

■ 7.0224, 7.2864,
27.2515

162.3903,
170.0231, 302.6713

■ 3.5226, 3.6419,
17.5281

200.1148,
209.5894, 361.8255

■ 1.4358, 1.4753,
10.4458

243.2713,

■ 0.2815, 0.2713,

254.8622, 428.2248

5.5861

292.2251,
306.2256, 502.2877

■ 0.0000, 0.0000,
2.5304

■ 0.0000, 0.0000,
0.8562

■ 42.4590, 44.3327,
100.9270

■ 42.4590, 44.3327,
100.9270

■ 36.6262, 37.2884,
99.8747

■ 49.5284, 52.4457,
102.1204

■ 31.9410, 31.2519,
98.9565

■ 57.9061, 61.6743,
103.4601

■ 28.3079, 26.1614,
98.1654

■ 67.6630, 72.0674,
104.9519

■ 25.6111, 21.9433,
97.4934

■ 78.8635, 83.6695,
106.6010

■ 24.0874, 19.2948,
97.0625

■ 91.5676, 96.5222,
108.4123

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.



35.7245, 44.3327, 93.0517



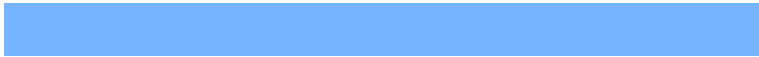
42.4590, 44.3327, 100.9270



49.8943, 44.3327, 91.6338

Triad

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



42.4590, 44.3327, 100.9270



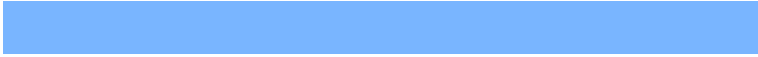
55.3653, 44.3327, 30.1852



30.9414, 44.3327, 31.3657

Complementary

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



42.4590, 44.3327, 100.9270



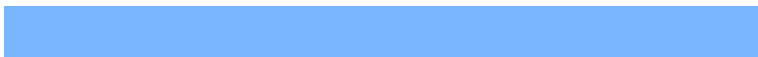
64.2074, 61.6723, 26.6109

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.



35.2283, 44.3327, 21.3407



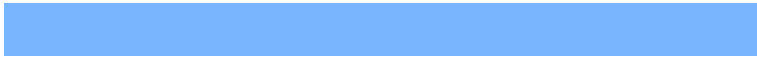
42.4590, 44.3327, 100.9270



49.2741, 44.3327, 20.8112

Square

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



42.4590, 44.3327, 100.9270



57.8596, 44.3327, 47.3565



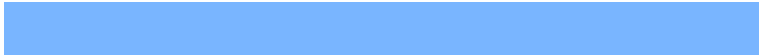
41.8164, 44.3327, 18.1135



29.5566, 44.3327, 49.1968

Rectangle

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



42.4590, 44.3327, 100.9270



54.1248, 44.3327, 78.1643



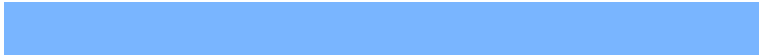
41.8164, 44.3327, 18.1135



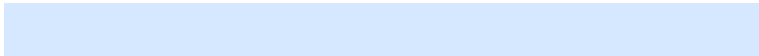
32.0643, 44.3327, 27.1750

Sweetspot

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



42.4604, 44.3342, 100.9272



74.8286, 79.5236, 106.0134



53.4627, 79.5121, 63.9833



15.5196, 16.5074, 22.6182



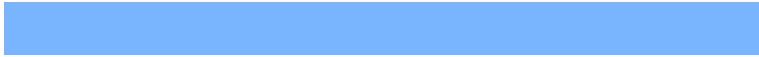
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



42.4604, 44.3342, 100.9272



36.3896, 36.9933, 99.8302



33.7460, 25.4626, 97.7439



17.6726, 18.7169, 22.9312



12.7301, 10.3698, 50.7652



1.3466, 1.2239, 4.9785

Inverse Universe

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



56.4189, 38.2725, 48.1312



52.1827, 32.0913, 39.6561



78.0295, 92.9120, 31.9123



18.3474, 18.1223, 20.4466



23.2138, 11.7748, 9.7761



2.3143, 1.1681, 1.2366

Previews

White Background



This preview shows how the XYZ color 42.4590, 44.3327, 100.9270 looks on a white background.

Color Contrast Check

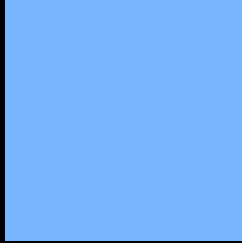
Large Text (above 18pt) WCAG AA × Fail

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 42.4590, 44.3327, 100.9270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

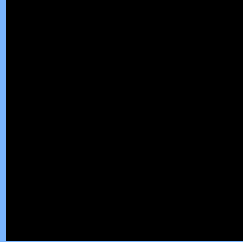
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

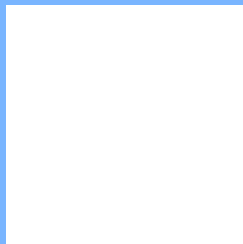
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.4590, 44.3327, 100.9270

Background



This preview shows how black text looks on a background with the XYZ color 42.4590, 44.3327, 100.9270.



This preview shows how white text looks on a background with the XYZ color 42.4590, 44.3327,

100.9270.

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

42.4590, 44.3327, 100.9270

Protanopia

45.7178, 44.0443, 96.5343

Deuteranopia

45.4294, 44.3817, 100.7799



Tritanopia

35.2630, 44.2262, 65.0705

Trichromacy



Original Color

42.4590, 44.3327, 100.9270

Protanomaly

44.4482, 44.2233, 98.2887

Deuteranomaly

44.2869, 44.3792, 100.8396

Tritanomaly

37.6553, 44.2375, 77.0750

Monochromacy



Original Color

42.4590, 44.3327, 100.9270

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

39.1275, 41.6965, 61.8631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4590, 44.3327, 100.9270 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(121, 181, 255)` looks like.

```
.text, #text, p{  
    color:rgb(121, 181, 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(121, 181, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 181, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.4590, 44.3327, 100.9270 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(121, 181, 255) }
```


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

```
.border{ border-color:rgb(121, 181, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 181, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 181, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 181, 255);  
box-shadow:4px 4px 4px 4px rgb(121, 181,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4590, 44.3327, 100.9270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 181, 255) }
```

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

```
.background{ background-color: rgb(121,  
181, 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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