

Converting Colors

XYZ(45.9782, 43.9685,
121.0550)

Have a look what the booklet for
XYZ(45.9782, 43.9685, 121.0550)
contains.

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Color

**XYZ(42.1324, 42.3920,
100.5696)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 7FAFFF |
| RGB | 127, 175, 255 |
| RGB Percent | 50%, 69%, 100% |
| CMY | 0.5019, 0.3137, 0.0000 |
| CMYK | 0.50, 0.31, 0.00, 0.00 |
| HSL | 218°, 100%, 75% |
| HSV | 218°, 50%, 100% |
| XYZ | 42.1324, 42.3920, 100.5696 |
| YIQ | 169.7680, -54.2880, 14.7040 |

Conversions

Conversions Part 2

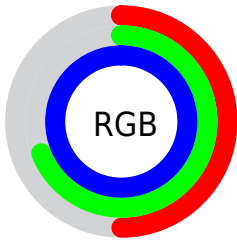
| Format | Color |
|-------------------------------------|---|
| RYB | 127, 162, 255 |
| Decimal | 8368127 |
| CIELab | 71.14, 5.63, -44.53 |
| CIElCh | 71, 44.887, 277.209 |
| Yxy | 42.3920, 0.2276, 0.2290 |
| Android (android.graphics.Color) | 4286558207 (0xFF7FAFFF) |
| YUV | 169.7680, 42.0194, -37.5075 |
| Hunter-Lab | 65.1091, 1.5671, -46.0048 |

Details

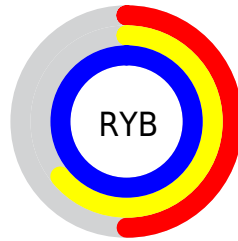
The XYZ color **42.1324, 42.3920, 100.5696** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **67.3848, 67.4198, 29.5425**, and the grayscale version is **37.9114, 39.8857, 43.4355**.

A 20% lighter version of the original color is **66.3544, 74.1279, 105.4186**, and **19.5228, 19.4014, 56.1420** is the 20% darker color. If you saturate the color by 10%, you get **35.8830, 34.8346, 99.4403**, and if you desaturate by 10%, it is **49.7116, 51.1799, 101.8664**.

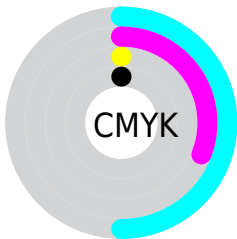
Distribution



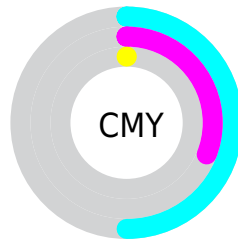
- Red (50%)
- Green (69%)
- Blue (100%)



- Red (50%)
- Yellow (64%)
- Blue (100%)



- Cyan (50%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1324, 42.3920, 100.5696 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 42.1324, 42.3920, 100.5696 by changing the saturation by 10% instead.

■ 42.1324, 42.3920,
100.5696

■ 42.1324, 42.3920,
100.5696

346.0138,
356.1054, 583.2796

■ 29.3965, 29.4084,
76.1568

■ 77.6639, 78.7926,
163.9984

■ 19.5268, 19.3900,
56.0537

■ 101.1902,
102.9783, 203.8515

■ 12.1578, 11.9524,
39.8417

■ 129.0441,
131.6668, 249.6884

■ 6.9242, 6.7113,
27.1023

161.5908,
165.2425, 301.9277

■ 3.4606, 3.2822,
17.4169

199.1958,
204.0898, 360.9880

■ 1.4018, 1.2808,
10.3671

242.2244,

■ 0.2575, 0.1262,

248.5932, 427.2877

5.5343

291.0419,
299.1369, 501.2454

■ 0.0000, 0.0000,
2.4998

■ 0.0000, 0.0000,
0.8401

■ 42.1324, 42.3920,
100.5696

■ 42.1324, 42.3920,
100.5696

■ 35.8830, 34.8346,
99.4403

■ 49.7116, 51.1799,
101.8664

■ 30.8725, 28.4399,
98.4700

■ 58.6948, 61.2523,
103.3371

■ 27.0043, 23.1388,
97.6507

■ 69.1552, 72.6647,
104.9886

■ 24.1630, 18.8506,
96.9727

■ 81.1594, 85.4678,
106.8271

■ 22.1985, 15.5170,
96.4328

94.7701, 99.7096,
108.8587

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.



34.9515, 42.3920, 95.7690



42.1324, 42.3920, 100.5696



49.6745, 42.3920, 87.5694

Triad

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



42.1324, 42.3920, 100.5696



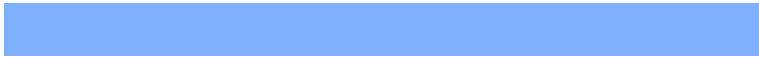
52.9271, 42.3920, 25.3874



28.3880, 42.3920, 31.9148

Complementary

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



42.1324, 42.3920, 100.5696



67.3848, 67.4198, 29.5425

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.



32.1728, 42.3920, 20.4266



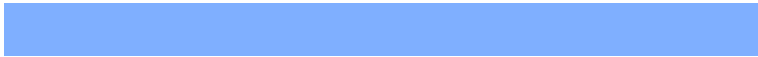
42.1324, 42.3920, 100.5696



46.1512, 42.3920, 17.5576

Square

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



42.1324, 42.3920, 100.5696



56.3901, 42.3920, 41.1583



38.5066, 42.3920, 16.0772



27.5929, 42.3920, 51.5463

Rectangle

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



42.1324, 42.3920, 100.5696



53.6969, 42.3920, 72.3843



38.5066, 42.3920, 16.0772



29.3277, 42.3920, 27.1818

Sweetspot

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



42.1338, 42.3935, 100.5698



75.1931, 79.1376, 105.9197



55.6461, 80.4856, 70.9540



15.5590, 16.3666, 22.5890



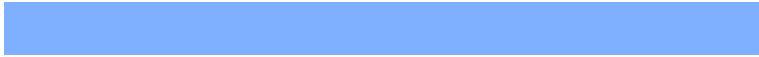
0.0000, 0.0000, 0.0000



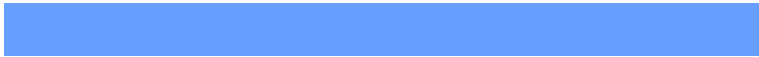
20.3446, 21.4041, 23.3091

Same Dimension

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



42.1338, 42.3935, 100.5698



35.9920, 34.9697, 99.4606



36.7850, 28.1457, 98.1016



17.5611, 18.4937, 22.8940



11.7306, 8.3708, 50.4320



1.2430, 1.0167, 4.9440

Inverse Universe

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



56.5683, 39.5356, 45.2084



52.2819, 33.2789, 36.6390



75.5492, 91.5895, 33.7774



18.2911, 18.0997, 20.1500



22.7093, 11.5730, 7.1195



2.2620, 1.1472, 0.9612

Previews

White Background



This preview shows how the XYZ color 42.1324, 42.3920, 100.5696 looks on a white background.

Color Contrast Check

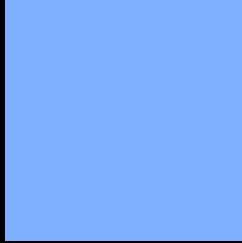
Large Text (above 18pt) WCAG AA × Fail

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 42.1324, 42.3920, 100.5696 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

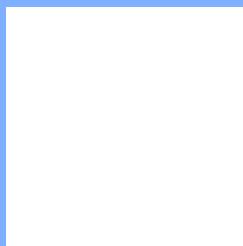
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.1324, 42.3920, 100.5696

Background



This preview shows how black text looks on a background with the XYZ color 42.1324, 42.3920, 100.5696.



This preview shows how white text looks on a background with the XYZ color 42.1324, 42.3920,

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

42.1324, 42.3920, 100.5696

Protanopia

44.1662, 42.3571, 97.9434

Deuteranopia

43.4500, 42.2140, 100.4658



Tritanopia

34.4082, 42.5861, 61.6648

Trichromacy



Original Color

42.1324, 42.3920, 100.5696

Protanomaly

43.2974, 42.1723, 98.7866

Deuteranomaly

42.9852, 42.2580, 100.4988

Tritanomaly

36.9816, 42.3894, 74.6394

Monochromacy



Original Color

42.1324, 42.3920, 100.5696

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.6216, 40.5921, 61.0578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1324, 42.3920, 100.5696 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(127, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(127, 175, 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(127, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 175, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.1324, 42.3920, 100.5696 is called "border". The border property can be set on classes, ids or directly on the HTML element.

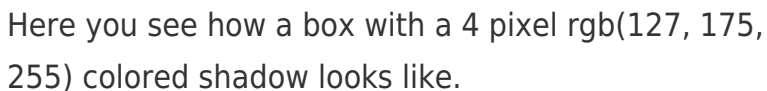
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 175, 255) }
```


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

```
.border{ border-color:rgb(127, 175, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(127, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 175, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 175, 255); box-shadow:4px 4px 4px 4px rgb(127, 175, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1324, 42.3920, 100.5696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 175, 255) }
```

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

```
.background{ background-color: rgb(127,  
175, 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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