

Converting Colors

XYZ(44.4408, 50.6007, 99.6850)

Have a look what the booklet for
XYZ(44.4408, 50.6007, 99.6850)
contains.

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Color

**XYZ(44.3470, 50.4715,
99.5001)**

Conversions

Conversions Part 1

Format	Color
Hex	71C5FC
RGB	113, 197, 252
RGB Percent	44%, 77%, 99%
CMY	0.5568, 0.2274, 0.0118
CMYK	0.55, 0.22, 0.00, 0.01
HSL	204°, 96%, 72%
HSV	204°, 55%, 99%
XYZ	44.3470, 50.4715, 99.5001
YIQ	178.1540, -67.7190, -0.7030

Conversions

Conversions Part 2

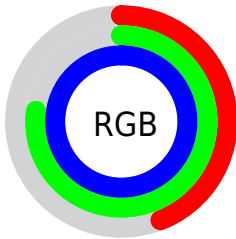
Format	Color
R _Y B	113, 165, 252
Decimal	7456252
CIE Lab	76.36, -10.29, -34.84
CIE LCh	76, 36.332, 253.547
Yxy	50.4715, 0.2282, 0.2597
Android (android.graphics.Color)	4285646332 (0xFF71C5FC)
YUV	178.1540, 36.4061, -57.1401
Hunter-Lab	71.0433, -12.9016, -33.3086

Details

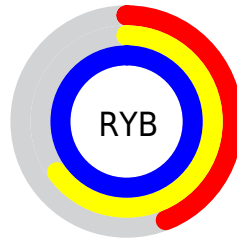
The XYZ color **44.3470, 50.4715, 99.5001** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **57.1299, 49.8952, 22.2445**, and the grayscale version is **42.2391, 44.4389, 48.3939**.

A 20% lighter version of the original color is **70.7254, 86.9879, 107.6705**, and **20.7995, 24.1659, 55.1980** is the 20% darker color. If you saturate the color by 10%, you get **39.3541, 44.6477, 98.6401**, and if you desaturate by 10%, it is **50.3930, 57.0625, 100.4546**.

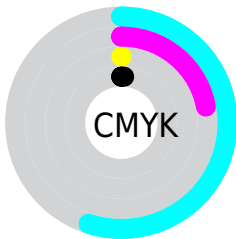
Distribution



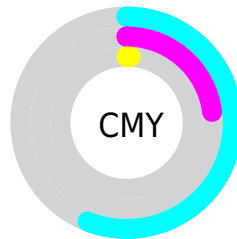
- Red (44%)
- Green (77%)
- Blue (99%)



- Red (44%)
- Yellow (65%)
- Blue (99%)



- Cyan (55%)
- Magenta (22%)
- Yellow (0%)
- Black (1%)



- Cyan (56%)
- Magenta (23%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.3470, 50.4715, 99.5001 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 44.3470, 50.4715, 99.5001 by changing the saturation by 10% instead.

■ 44.3470, 50.4715,
99.5001

■ 44.3470, 50.4715,
99.5001

354.9508,
388.5069, 579.8217

■ 31.1425, 35.7882,
75.2686

■ 80.9828, 90.8731,
162.5159

■ 20.8597, 24.2706,
55.3299

■ 105.1447,
117.3601, 202.1373

■ 13.1334, 15.5345,
39.2655

■ 133.6898,
148.5505, 247.7257

■ 7.5981, 9.1954,
26.6569

166.9835,
184.8287, 299.6996

■ 3.8885, 4.8688,
17.0856

205.3911,
226.5791, 358.4776

■ 1.6392, 2.1705,
10.1329

249.2779,

■ 0.4178, 0.7038,

274.1859, 424.4783

5.3804

299.0094,
328.0338, 498.1202

■ 0.0000, 0.0000,
2.4095

■ 0.0000, 0.0000,
0.7916

■ 44.3470, 50.4715,
99.5001

■ 44.3470, 50.4715,
99.5001

■ 39.3541, 44.6477,
98.6401

■ 50.3930, 57.0625,
100.4546

■ 35.3298, 39.5403,
97.8664

■ 57.5575, 64.4556,
101.5040

■ 32.1835, 35.0992,
97.1750

■ 65.9062, 72.6898,
102.6533

■ 29.8022, 31.2617,
96.5598

■ 75.4981, 81.7992,
103.9061

■ 28.8458, 29.5783,
96.2853

■ 86.3878, 91.8161,
105.2656

94.5709, 99.8083,
106.3769

Harmonies

Analogous

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



39.0676, 50.4715, 85.1574



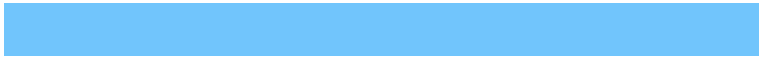
44.3470, 50.4715, 99.5001



51.1146, 50.4715, 100.2353

Triad

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



44.3470, 50.4715, 99.5001



61.9070, 50.4715, 46.6061



39.4798, 50.4715, 31.9510

Complementary

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



44.3470, 50.4715, 99.5001



57.1299, 49.8952, 22.2445

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.



44.9603, 50.4715, 25.8975



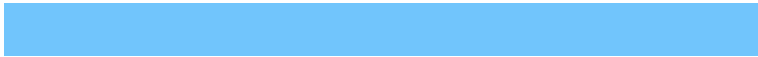
44.3470, 50.4715, 99.5001



58.1351, 50.4715, 32.8997

Square

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



44.3470, 50.4715, 99.5001



61.7029, 50.4715, 66.3119



51.7886, 50.4715, 26.1976



36.4455, 50.4715, 44.9748

Rectangle

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



44.3470, 50.4715, 99.5001



55.6022, 50.4715, 92.6443



51.7886, 50.4715, 26.1976



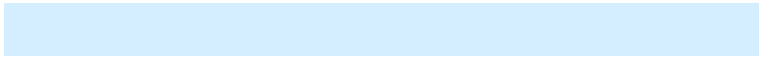
41.0732, 50.4715, 29.1884

Sweetspot

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



44.3487, 50.4733, 99.5013



75.6306, 82.2251, 106.4926



48.5311, 75.8965, 48.3067



15.7521, 17.1885, 22.7374



0.0000, 0.0000, 0.0000



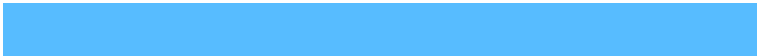
20.3446, 21.4041, 23.3091

Same Dimension

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



44.3487, 50.4733, 99.5013



40.0226, 45.3719, 101.2560



32.2614, 26.2988, 95.4722



17.1558, 18.3884, 22.0304



15.1739, 15.7034, 50.2049



1.5088, 1.6612, 4.6843

Inverse Universe

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



56.1296, 36.5388, 56.9194



53.7449, 31.6763, 51.0881



73.0600, 81.7553, 27.5545



17.6852, 17.4014, 20.1979



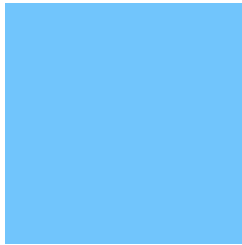
23.9511, 11.9962, 16.9828



2.2705, 1.1319, 1.8478

Previews

White Background



This preview shows how the XYZ color 44.3470, 50.4715, 99.5001 looks on a white background.

Color Contrast Check

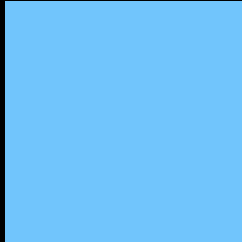
Large Text (above 18pt) WCAG AA × Fail

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 44.3470, 50.4715, 99.5001 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

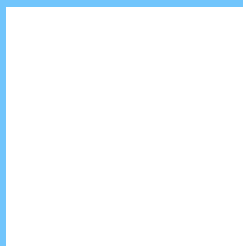
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.3470, 50.4715, 99.5001

Background



This preview shows how black text looks on a background with the XYZ color 44.3470, 50.4715, 99.5001.



This preview shows how white text looks on a background with the XYZ color 44.3470, 50.4715,

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

44.3470, 50.4715, 99.5001

Protanopia

50.5399, 49.9396, 91.7696

Deuteranopia

51.3353, 50.1334, 101.5788



Tritanopia

39.5089, 50.5930, 74.7009

Trichromacy



Original Color

44.3470, 50.4715, 99.5001

Protanomaly

47.5946, 49.6283, 94.2595

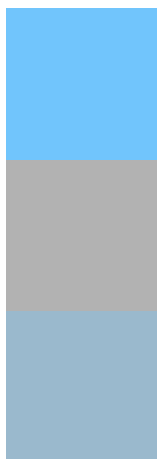
Deuteranomaly

48.1196, 49.7540, 100.8332

Tritanomaly

41.1361, 50.5461, 83.1896

Monochromacy



Original Color

44.3470, 50.4715, 99.5001

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.6948, 45.9757, 64.4343

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.3470, 50.4715, 99.5001 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(113, 197, 252)` looks like.

```
.text, #text, p{  
    color:rgb(113, 197, 252)  
}
```

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(113, 197, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 197, 252) }
```

Border

The CSS property to change the border of an element to XYZ 44.3470, 50.4715, 99.5001 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(113, 197, 252) }
```


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

```
.border{ border-color:rgb(113, 197, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 197, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 197, 252); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 197, 252); box-shadow:4px 4px 4px 4px rgb(113, 197, 252) }
```

Background

The CSS property to change the background color of an element to XYZ 44.3470, 50.4715, 99.5001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 197, 252) }
```

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

```
.background{ background-color: rgb(113,  
197, 252) }
```

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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