

Converting Colors

XYZ(48.4344, 45.4403,
123.1537)

Have a look what the booklet for
XYZ(48.4344, 45.4403, 123.1537)
contains.

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Color

**XYZ(44.2228, 43.7596,
100.7234)**

Conversions

Conversions Part 1

Format	Color
Hex	8BB0FF
RGB	139, 176, 255
RGB Percent	55%, 69%, 100%
CMY	0.4549, 0.3098, 0.0000
CMYK	0.45, 0.31, 0.00, 0.00
HSL	221°, 100%, 77%
HSV	221°, 45%, 100%
XYZ	44.2228, 43.7596, 100.7234
YIQ	173.9430, -47.4110, 16.7250

Conversions

Conversions Part 2

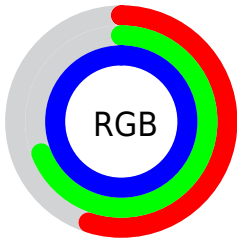
Format	Color
R _Y B	139, 167, 255
Decimal	9154815
CIE Lab	72.07, 7.84, -43.03
CIE LCh	72, 43.742, 280.325
Yxy	43.7596, 0.2343, 0.2319
Android (android.graphics.Color)	4287344895 (0xFF8BB0FF)
YUV	173.9430, 39.9611, -30.6450
Hunter-Lab	66.1510, 3.5652, -43.9709

Details

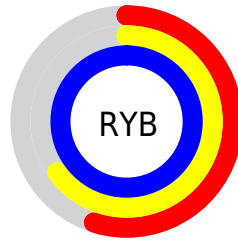
The XYZ color **44.2228, 43.7596, 100.7234** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **70.9727, 73.2685, 34.8297**, and the grayscale version is **40.0230, 42.1073, 45.8548**.

A 20% lighter version of the original color is **69.6519, 76.2421, 105.6529**, and **20.7940, 20.2419, 56.2372** is the 20% darker color. If you saturate the color by 10%, you get **37.2609, 35.4356, 99.4836**, and if you desaturate by 10%, it is **52.6161, 53.4698, 102.1553**.

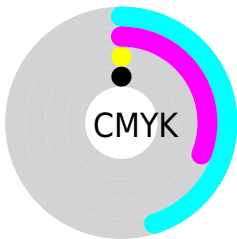
Distribution



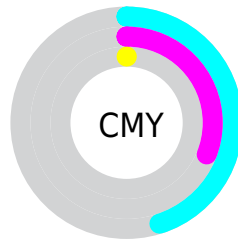
- Red (55%)
- Green (69%)
- Blue (100%)



- Red (55%)
- Yellow (65%)
- Blue (100%)



- Cyan (45%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (45%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.2228, 43.7596, 100.7234 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 44.2228, 43.7596, 100.7234 by changing the saturation by 10% instead.

■ 44.2228, 43.7596,
100.7234

■ 44.2228, 43.7596,
100.7234

354.4536,
361.7264, 583.7760

■ 31.0444, 30.4816,
76.2846

■ 80.7972, 80.8559,
164.2115

■ 20.7846, 20.2044,
56.1578

■ 104.9238,
105.4429, 204.0978

■ 13.0782, 12.5437,
39.9246

133.4306,
134.5684, 249.9704

■ 7.5598, 7.1151,
27.1664

166.6828,
168.6167, 302.2478

■ 3.8640, 3.5342,
17.4647

205.0459,
207.9723, 361.3485

■ 1.6255, 1.4166,
10.4009

248.8851,

■ 0.4089, 0.2289,

253.0195, 427.6910

5.5565

298.5659,
304.1427, 501.6940

■ 0.0000, 0.0000,
2.5130

■ 0.0000, 0.0000,
0.8470

■ 44.2228, 43.7596,
100.7234

■ 44.2228, 43.7596,
100.7234

■ 37.2609, 35.4356,
99.4836

■ 52.6161, 53.4698,
102.1553

■ 31.6397, 28.4243,
98.4266

■ 62.5152, 64.6252,
103.7868

■ 27.2639, 22.6515,
97.5430

■ 73.9946, 77.2869,
105.6257

■ 24.0226, 18.0324,
96.8222

■ 87.1220, 91.5107,
107.6793

■ 21.7813, 14.4677, 95.0500, 100.0000,
96.2523 108.9000

■ 21.0173, 13.1546,
96.0391

Harmonies

Analogous

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



36.9367, 43.7596, 97.8890



44.2228, 43.7596, 100.7234



51.6076, 43.7596, 86.4394

Triad

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



44.2228, 43.7596, 100.7234



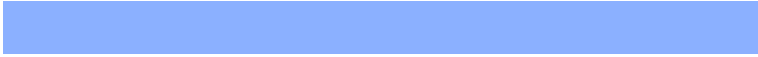
53.5450, 43.7596, 25.6586



29.4694, 43.7596, 35.0842

Complementary

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



44.2228, 43.7596, 100.7234



70.9727, 73.2685, 34.8297

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.



32.9644, 43.7596, 22.6435



44.2228, 43.7596, 100.7234



46.6233, 43.7596, 18.4398

Square

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



44.2228, 43.7596, 100.7234



57.4015, 43.7596, 40.6409



39.0680, 43.7596, 17.5325



28.9899, 43.7596, 55.4148

Rectangle

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



44.2228, 43.7596, 100.7234



55.3770, 43.7596, 71.0786



39.0680, 43.7596, 17.5325



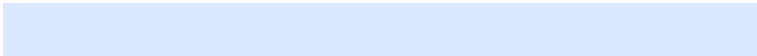
30.3088, 43.7596, 30.0299

Sweetspot

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



44.2242, 43.7611, 100.7236



75.8421, 79.3033, 105.9175



58.8464, 81.9847, 77.9162



15.6625, 16.3508, 22.5805



0.0000, 0.0000, 0.0000



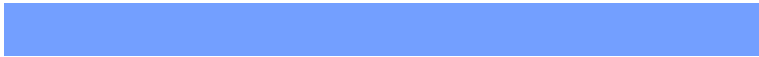
20.3446, 21.4041, 23.3091

Same Dimension

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



44.2242, 43.7611, 100.7236



37.5689, 35.8109, 99.5398



41.4505, 32.9902, 98.7908



17.4759, 18.3233, 22.8656



11.1003, 7.1101, 50.2219



1.1744, 0.8795, 4.9211

Inverse Universe

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



58.3101, 42.8615, 46.2755



53.6423, 35.9846, 37.1398



74.9024, 91.1603, 38.0761



18.2481, 18.0825, 19.9236



22.3911, 11.4457, 5.4440



2.2274, 1.1333, 0.7789

Previews

White Background



This preview shows how the XYZ color 44.2228, 43.7596, 100.7234 looks on a white background.

Color Contrast Check

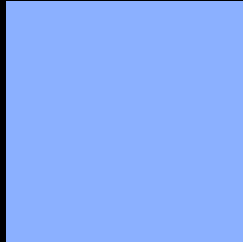
Large Text (above 18pt) WCAG AA × Fail

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 44.2228, 43.7596, 100.7234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

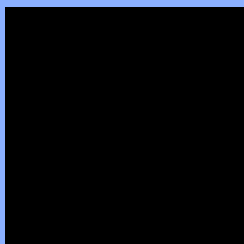
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

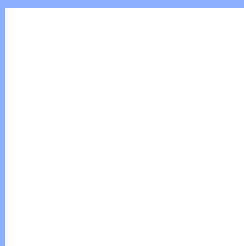
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.2228, 43.7596, 100.7234

Background



This preview shows how black text looks on a background with the XYZ color 44.2228, 43.7596, 100.7234.



This preview shows how white text looks on a background with the XYZ color 44.2228, 43.7596,

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

44.2228, 43.7596, 100.7234

Protanopia

45.4357, 43.5583, 98.9414

Deuteranopia

44.8816, 43.8092, 100.6983



Tritanopia

36.4137, 43.6199, 61.7586

Trichromacy



Original Color

44.2228, 43.7596, 100.7234

Protanomaly

45.0581, 43.6309, 99.8127

Deuteranomaly

44.5353, 43.6307, 100.6821

Tritanomaly

38.8324, 43.3435, 74.7261

Monochromacy



Original Color

44.2228, 43.7596, 100.7234

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

40.8074, 42.5488, 62.5619

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.2228, 43.7596, 100.7234 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(139, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(139, 176, 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(139, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 176, 255) }
```

Border

The CSS property to change the border of an element to XYZ 44.2228, 43.7596, 100.7234 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(139, 176, 255) }
```


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

```
.border{ border-color:rgb(139, 176, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 176, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 176, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 176, 255);  
box-shadow:4px 4px 4px 4px rgb(139, 176,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 44.2228, 43.7596, 100.7234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 176, 255) }
```

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

```
.background{ background-color: rgb(139,  
176, 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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