

Converting Colors

XYZ(49.9518, 46.6728,
132.8711)

Have a look what the booklet for
XYZ(49.9518, 46.6728, 132.8711)
contains.

XYZ(43.8019, 44.1291, 100.8169)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(43.8019, 44.1291,
100.8169)**

Conversions

Conversions Part 1

Format	Color
Hex	86B2FF
RGB	134, 178, 255
RGB Percent	53%, 70%, 100%
CMY	0.4745, 0.3020, 0.0000
CMYK	0.47, 0.30, 0.00, 0.00
HSL	218°, 100%, 76%
HSV	218°, 47%, 100%
XYZ	43.8019, 44.1291, 100.8169
YIQ	173.6220, -50.9410, 14.6190

Conversions

Conversions Part 2

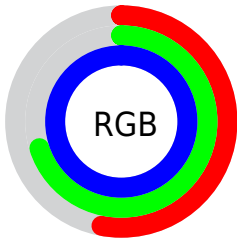
Format	Color
RYB	134, 166, 255
Decimal	8827647
CIELab	72.31, 5.54, -42.67
CIElCh	72, 43.026, 277.400
Yxy	44.1291, 0.2321, 0.2338
Android (android.graphics.Color)	4287017727 (0xFF86B2FF)
YUV	173.6220, 40.1194, -34.7485
Hunter-Lab	66.4297, 1.4458, -43.4805

Details

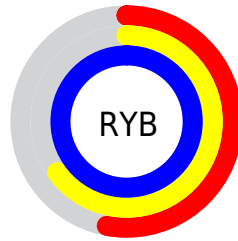
The XYZ color **43.8019, 44.1291, 100.8169** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **68.8384, 69.5713, 32.3567**, and the grayscale version is **39.8594, 41.9352, 45.6674**.

A 20% lighter version of the original color is **68.9271, 76.7043, 105.7803**, and **20.5555, 20.4948, 56.2986** is the 20% darker color. If you saturate the color by 10%, you get **37.1768, 36.2015, 99.6359**, and if you desaturate by 10%, it is **51.7916, 53.3288, 102.1715**.

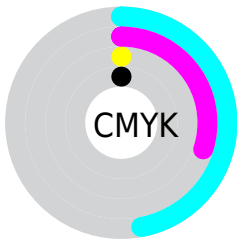
Distribution



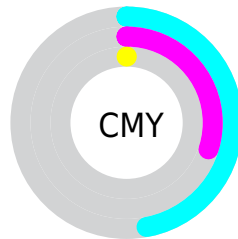
- Red (53%)
- Green (70%)
- Blue (100%)



- Red (53%)
- Yellow (65%)
- Blue (100%)



- Cyan (47%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.8019, 44.1291, 100.8169 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 43.8019, 44.1291, 100.8169 by changing the saturation by 10% instead.

■ 43.8019, 44.1291,
100.8169

■ 43.8019, 44.1291,
100.8169

352.7652,
363.2348, 584.0776

■ 30.7120, 30.7720,
76.3623

■ 80.1678, 81.4120,
164.3410

■ 20.5304, 20.4253,
56.2212

■ 104.1745,
106.1065, 204.2475

■ 12.8917, 12.7046,
39.9751

■ 132.5509,
135.3491, 250.1418

■ 7.4305, 7.2254,
27.2055

165.6623,
169.5240, 302.4423

■ 3.7815, 3.6035,
17.4938

203.8740,
209.0156, 361.5676

■ 1.5793, 1.4543,
10.4215

247.5515,

■ 0.3788, 0.2563,

254.2083, 427.9362

5.5701

297.0601,
305.4866, 501.9667

■ 0.0000, 0.0000,
2.5209

■ 0.0000, 0.0000,
0.8512

■ 43.8019, 44.1291,
100.8169

■ 43.8019, 44.1291,
100.8169

■ 37.1768, 36.2015,
99.6359

■ 51.7916, 53.3288,
102.1715

■ 31.8271, 29.4779,
98.6201

■ 61.2186, 63.8544,
103.7063

■ 27.6588, 23.8898,
97.7612

■ 72.1555, 75.7620,
105.4283

■ 24.5613, 19.3582,
97.0497

■ 84.6683, 89.1026,
107.3438

■ 22.3937, 15.7865, 95.0500, 100.0000,
96.4746 108.9000

■ 21.9403, 15.0006,
96.3468

Harmonies

Analogous

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



36.7118, 44.1291, 96.3153



43.8019, 44.1291, 100.8169



51.1882, 44.1291, 88.2138

Triad

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



43.8019, 44.1291, 100.8169



54.2866, 44.1291, 27.3129



30.1357, 44.1291, 34.0343

Complementary

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



43.8019, 44.1291, 100.8169



68.8384, 69.5713, 32.3567

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.



33.8846, 44.1291, 22.4115



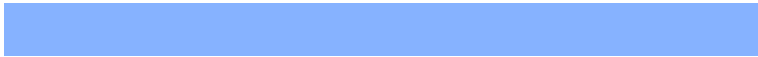
43.8019, 44.1291, 100.8169



47.6498, 44.1291, 19.4021

Square

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



43.8019, 44.1291, 100.8169



57.6871, 44.1291, 42.9918



40.1382, 44.1291, 17.9182



29.3614, 44.1291, 53.4882

Rectangle

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



43.8019, 44.1291, 100.8169



55.1020, 44.1291, 73.5045



40.1382, 44.1291, 17.9182



31.0665, 44.1291, 29.2755

Sweetspot

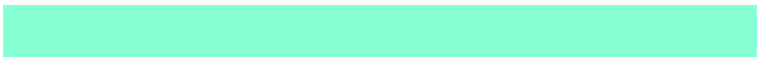
The Sweet Spot groups the original color and five complimentary colors.



43.8033, 44.1306, 100.8171



76.2897, 80.1985, 106.0667



57.3046, 81.2737, 74.0557



15.7708, 16.5674, 22.6166



0.0000, 0.0000, 0.0000



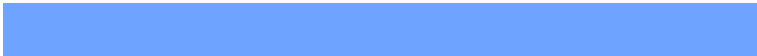
20.3446, 21.4041, 23.3091

Same Dimension

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



43.8033, 44.1306, 100.8171



37.4462, 36.5310, 99.6853



39.1790, 30.7689, 98.4818



17.5437, 18.4591, 22.8883



11.5933, 8.0961, 50.3863



1.2283, 0.9873, 4.9391

Inverse Universe

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



57.8020, 41.5262, 47.0897



53.3447, 34.9631, 38.3545



75.6153, 91.5690, 36.2455



18.2823, 18.0963, 20.1040



22.6399, 11.5453, 6.7544



2.2546, 1.1442, 0.9222

Previews

White Background



This preview shows how the XYZ color 43.8019, 44.1291, 100.8169 looks on a white background.

Color Contrast Check

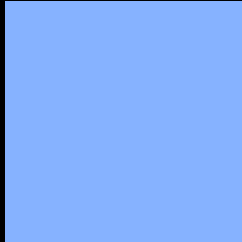
Large Text (above 18pt) WCAG AA × Fail

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 43.8019, 44.1291, 100.8169 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

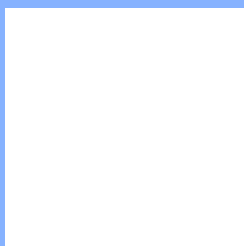
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.8019, 44.1291, 100.8169

Background



This preview shows how black text looks on a background with the XYZ color 43.8019, 44.1291, 100.8169.



This preview shows how white text looks on a background with the XYZ color 43.8019, 44.1291,

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

43.8019, 44.1291, 100.8169

Protanopia

45.6556, 43.9758, 98.1773

Deuteranopia

45.2340, 43.9909, 100.7148



Tritanopia

36.2339, 44.1298, 63.1081

Trichromacy



Original Color

43.8019, 44.1291, 100.8169

Protanomaly

44.7366, 43.7715, 99.0194

Deuteranomaly

44.7307, 44.0215, 100.7472

Tritanomaly

38.6375, 43.8400, 75.5328

Monochromacy



Original Color

43.8019, 44.1291, 100.8169

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

40.4075, 42.3427, 62.5432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.8019, 44.1291, 100.8169 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(134, 178, 255)` looks like.

```
.text, #text, p{  
    color:rgb(134, 178, 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(134, 178, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 178, 255) }
```

Border

The CSS property to change the border of an element to XYZ 43.8019, 44.1291, 100.8169 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(134, 178, 255) }
```


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

```
.border{ border-color:rgb(134, 178, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 178, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 178, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 178, 255);  
box-shadow:4px 4px 4px 4px rgb(134, 178,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 43.8019, 44.1291, 100.8169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 178, 255) }
```

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

```
.background{ background-color: rgb(134,  
178, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor