

# Converting Colors

XYZ(43.1899, 53.3052,  
102.6203)

Have a look what the booklet for  
XYZ(43.1899, 53.3052, 102.6203)  
contains.

<b>XYZ(43.1869, 53.3015, 102.6198)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(43.1869, 53.3015,  
102.6198)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4ACFFF
RGB	74, 207, 255
RGB Percent	29%, 81%, 100%
CMY	0.7098, 0.1882, 0.0000
CMYK	0.71, 0.19, 0.00, 0.00
HSL	196°, 100%, 65%
HSV	196°, 71%, 100%
XYZ	43.1869, 53.3015, 102.6198
YIQ	172.7050, -94.6760, -13.2680

# Conversions

## Conversions Part 2

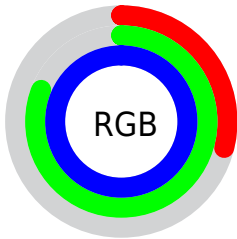
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	74, 151, 255
Decimal	4902911
CIE <sub>Lab</sub>	78.05, -21.01, -33.93
CIE <sub>LCh</sub>	78, 39.906, 238.236
Yxy	53.3015, 0.2169, 0.2677
Android (android.graphics.Color)	4283092991 (0xFF4ACFFF)
YUV	172.7050, 40.5714, -86.5643
Hunter-Lab	73.0079, -22.1743, -32.2325

# Details

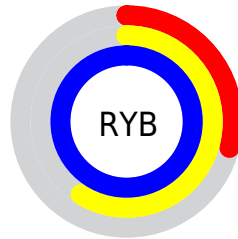
The XYZ color **43.1869, 53.3015, 102.6198** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **49.4372, 35.6761, 10.7613**, and the grayscale version is **39.4074, 41.4597, 45.1496**.

A 20% lighter version of the original color is **65.1377, 84.5796, 107.5001**, and **21.5843, 26.8597, 57.4729** is the 20% darker color. If you saturate the color by 10%, you get **40.0032, 49.2808, 102.0115**, and if you desaturate by 10%, it is **47.2390, 57.8760, 103.2892**.

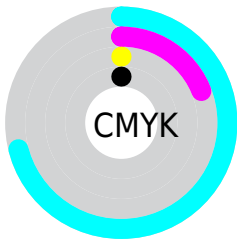
# Distribution



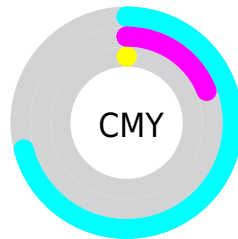
- Red (29%)
- Green (81%)
- Blue (100%)



- Red (29%)
- Yellow (59%)
- Blue (100%)



- Cyan (71%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (71%)
- Magenta (19%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.1869, 53.3015, 102.6198 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 43.1869, 53.3015, 102.6198 by changing the saturation by 10% instead.



43.1869, 53.3015,  
102.6198

43.1869, 53.3015,  
102.6198

350.2883,  
399.4408, 589.8780

30.2269, 38.0435,  
77.8612

79.2468, 95.0479,  
166.8359

20.1598, 26.0165,  
57.4442

103.0774,  
122.3051, 207.1306

12.6202, 16.8360,  
40.9502

131.2623,  
154.3307, 253.4409

7.2427, 10.1176,  
27.9608

164.1668,  
191.5093, 306.1856

3.6620, 5.4770,  
18.0573

202.1564,  
234.2253, 365.7831

1.5128, 2.5298,  
10.8213

245.5962,

0.3345, 0.8915,

282.8629, 432.6520

5.8341

294.8517,  
337.8066, 507.2107

■ 0.0000, 0.0000,  
2.6773

■ 0.0000, 0.0000,  
0.9320

■ 43.1869, 53.3015,  
102.6198

■ 43.1869, 53.3015,  
102.6198

■ 40.0032, 49.2808,  
102.0115

■ 47.2390, 57.8760,  
103.2892

■ 37.5794, 45.7538,  
101.4585

■ 52.2412, 63.0448,  
104.0232

■ 35.8999, 42.9199,  
101.0000

■ 58.2708, 68.8499,  
104.8259

■ 65.3952, 75.3273,  
105.7007

■ 73.6761, 82.5100,  
106.6506

■ 83.1703, 90.4284,  
107.6786

■ 93.9307, 99.1111,  
108.7874

■ 95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

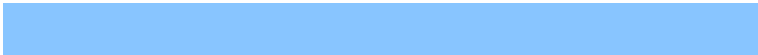
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.5909, 53.3015, 80.7594



43.1869, 53.3015, 102.6198



50.2025, 53.3015, 112.2608

# Triad

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



43.1869, 53.3015, 102.6198



67.1348, 53.3015, 59.3649



43.9078, 53.3015, 27.8807

# Complementary

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



43.1869, 53.3015, 102.6198



49.4372, 35.6761, 10.7613

# 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.



51.1233, 53.3015, 24.8803



43.1869, 53.3015, 102.6198



65.0182, 53.3015, 40.0335

# Square

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



43.1869, 53.3015, 102.6198



64.4759, 53.3015, 83.6396



58.9523, 53.3015, 28.6974



38.9762, 53.3015, 38.2768



# Rectangle

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



43.1869, 53.3015, 102.6198



55.4890, 53.3015, 108.9838



58.9523, 53.3015, 28.6974



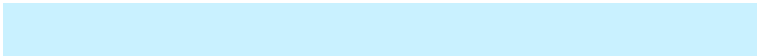
46.1224, 53.3015, 26.1121

# Sweetspot

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



43.1885, 53.3033, 102.6200



73.6543, 82.4915, 106.6482



41.9304, 74.3145, 29.6687



15.2504, 17.2167, 22.7693



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

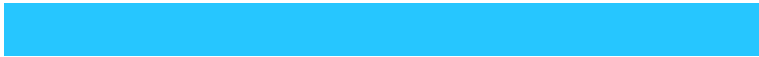


# Same Dimension

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



43.1885, 53.3033, 102.6200



38.9428, 47.8053, 101.7826



27.5028, 21.9318, 97.3915



18.1234, 19.6184, 23.0815



18.8874, 22.6844, 52.8176



1.9286, 2.3879, 5.1725



# Inverse Universe

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



54.9524, 30.6644, 62.0557



52.0787, 26.7173, 55.5475



65.4621, 67.7260, 16.1030



18.5749, 18.2133, 21.6447



26.3217, 13.0180, 26.1422

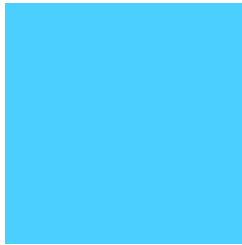


2.6081, 1.2856, 2.7835



# Previews

## White Background



This preview shows how the XYZ color 43.1869, 53.3015, 102.6198 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

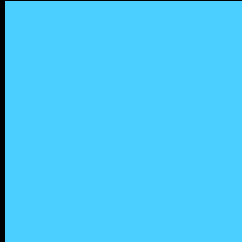
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.1869, 53.3015, 102.6198 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

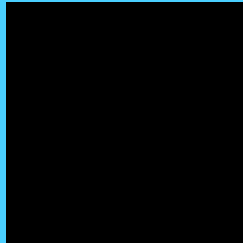
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

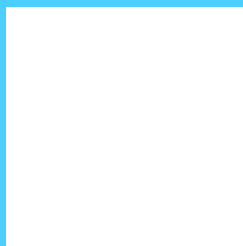
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 43.1869, 53.3015, 102.6198

## Background



This preview shows how black text looks on a background with the XYZ color 43.1869, 53.3015, 102.6198.



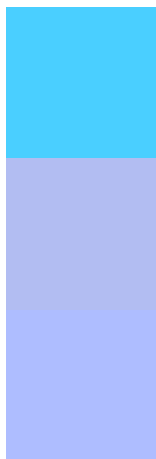
This preview shows how white text looks on a background with the XYZ color 43.1869, 53.3015,



# 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

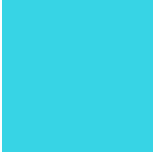
43.1869, 53.3015, 102.6198

### Protanopia

52.5847, 52.2710, 91.3222

### Deuteranopia

53.7032, 52.6139, 101.9328



## **Tritanopia**

39.2619, 53.5563, 82.3968

# Trichromacy



## Original Color

43.1869, 53.3015, 102.6198

## Protanomaly

47.3436, 51.7707, 95.4932

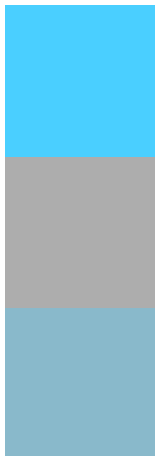
## Deuteranomaly

48.2712, 52.1031, 102.1205

## Tritanomaly

40.4658, 53.2904, 89.0422

# Monochromacy



## Original Color

43.1869, 53.3015, 102.6198

## Achromatopsia

39.7200, 41.7885, 45.5077

## Achromatomaly

38.4450, 44.3281, 63.0298

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.1869, 53.3015, 102.6198 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(74, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(74, 207, 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(74, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 207, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 43.1869, 53.3015, 102.6198 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(74, 207, 255) }
```



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

```
.border{ border-color:rgb(74, 207, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 207, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(74, 207,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.1869, 53.3015, 102.6198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 207, 255) }
```

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

```
.background{ background-color: rgb(74, 207,  
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